



ORMCO Patent Portfolio (Foreign Counterparts Are Not Shown)

The table below lists the patents which cover ORMCO products. The left column contains the product name/part numbers and the corresponding right column contains the United States patent numbers, one or more of which cover the product.

Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Damon Q - Maxillary Central/491-6463	
Damon Q - Maxillary Central/491-6462	
Damon Q - Maxillary Central/491-6461	
Damon Q - Maxillary Central/491-6460	
Damon Q - Maxillary Central/491-6467	
Damon Q - Maxillary Central/491-6466	
Damon Q - Maxillary Lateral/491-6473	
Damon Q - Maxillary Lateral/491-6472	
Damon Q - Maxillary Lateral/491-6471	
Damon Q - Maxillary Lateral/491-6470	
Damon Q - Maxillary Lateral/491-6475	
Damon Q - Maxillary Lateral/491-6474	
Damon Q - Maxillary Cuspid/491-6483	
Damon Q - Maxillary Cuspid/491-6482	
Damon Q - Maxillary Cuspid/491-6481	
Damon Q - Maxillary Cuspid/491-6480	
Damon Q - Maxillary Cuspid/491-6485	
Damon Q - Maxillary Cuspid/491-6484	
Damon Q - Maxillary Bicuspid/491-6491	
Damon Q - Maxillary Bicuspid/491-6490	
Damon Q - Maxillary Bicuspid - G/O/491-6591	
Damon Q - Maxillary Bicuspid - G/O/491-6590	
Damon Q - Maxillary Bicuspid - Weldable/161-8491	
Damon Q - Maxillary Bicuspid - Weldable/161-8490	
Damon Q - Maxillary 1st Molar - Snaplink Tube/438-2161	7,704,072 8,033,824
Damon Q - Maxillary 1st Molar - Snaplink Tube/438-2160	7,267,545
Damon Q - Mandibular Central/491-6415	
Damon Q - Mandibular Central/491-6414	
Damon Q - Mandibular Central/491-6411	
Damon Q - Mandibular Central/491-6410	
Damon Q - Mandibular Lateral/491-6425	
Damon Q - Mandibular Lateral/491-6424	
Damon Q - Mandibular Lateral/491-6421	



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Damon Q - Mandibular Lateral/491-6420	
Damon Q - Mandibular Cuspid/491-6433	
Damon Q - Mandibular Cuspid/491-6432	
Damon Q - Mandibular Cuspid/491-6431	
Damon Q - Mandibular Cuspid/491-6430	
Damon Q - Mandibular Cuspid/491-6435	
Damon Q - Mandibular Cuspid/491-6434	
Damon Q - Mandibular 1st Bicuspid/491-6441	
Damon Q - Mandibular 1st Bicuspid/491-6440	
Damon Q - Mandibular 1st Bicuspid/491-6443	
Damon Q - Mandibular 1st Bicuspid/491-6442	
Damon Q - Mandibular 1st Bicuspid - G/O/491-6541	
Damon Q - Mandibular 1st Bicuspid - G/O/491-6540	7,704,072
Damon Q - Mandibular 1st Bicuspid - G/O/491-6543	8,033,824
Damon Q - Mandibular 1st Bicuspid - G/O/491-6542	
Damon Q - Mandibular 1st Bicuspid - Weldable/161-8441	
Damon Q - Mandibular 1st Bicuspid - Weldable/161-8440	
Damon Q - Mandibular 1st Bicuspid - Weldable/161-8443	
Damon Q - Mandibular 1st Bicuspid - Weldable/161-8442	
Damon Q - Mandibular 2nd Bicuspid/491-6451	
Damon Q - Mandibular 2nd Bicuspid/491-6450	
Damon Q - Mandibular 2nd Bicuspid - G/O/491-6551	
Damon Q - Mandibular 2nd Bicuspid - G/O/491-6550	
Damon Q - Mandibular 2nd Bicuspid - Weldable/161-8451	
Damon Q - Mandibular 2nd Bicuspid - Weldable/161-8450	
Damon Q - Mandibular 1st Molar Snaplink Tube/438-2191	7,704,072
	8,033,824
Damon Q - Mandibular 1st Molar Snaplink Tube/438-2190	7,267,545
Damon Clear - Maxillary Central/497-6463	
Damon Clear - Maxillary Central/497-6462	
Damon Clear - Maxillary Central/497-6461	7,704,072
Damon Clear - Maxillary Central/497-6460	8,033,824
Damon Clear - Maxillary Central/497-6467	8,251,696
Damon Clear - Maxillary Central/497-6466	



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Damon Clear - Maxillary Lateral/497-6473	
Damon Clear - Maxillary Lateral/497-6472	
Damon Clear - Maxillary Lateral/497-6471	
Damon Clear - Maxillary Lateral/497-6470	
Damon Clear - Maxillary Lateral/497-6475	
Damon Clear - Maxillary Lateral/497-6474	
Damon Clear - Maxillary Cuspid/497-6483	
Damon Clear - Maxillary Cuspid/497-6482	
Damon Clear - Maxillary Cuspid/497-6481	
Damon Clear - Maxillary Cuspid/497-6480	
Damon Clear - Maxillary Cuspid/497-6485	
Damon Clear - Maxillary Cuspid/497-6484	
Damon Clear - Maxillary Cuspid - Hook/497-7483	
Damon Clear - Maxillary Cuspid - Hook/497-7482	
Damon Clear - Maxillary Cuspid - Hook/497-7481	
Damon Clear - Maxillary Cuspid - Hook/497-7480	
Damon Clear - Maxillary Cuspid - Hook/497-7485	
Damon Clear - Maxillary Cuspid - Hook/497-7484	
Damon Clear - Maxillary Bicuspid/497-6491	
Damon Clear - Maxillary Bicuspid/497-6490	
Damon Clear - Maxillary Bicuspid - hook/497-7491	
Damon Clear - Maxillary Bicuspid - hook/497-7490	
Damon Clear - Mandibular Central/497-6411	
Damon Clear - Mandibular Central/497-6410	
Damon Clear - Mandibular Lateral/497-6421	
Damon Clear - Mandibular Lateral/497-6420	
Damon Clear - Mandibular Cuspid/497-6431	
Damon Clear - Mandibular Cuspid/497-6430	
Damon 3MX - Maxillary Central/494-4465	7,704,072 8,033,824 8,251,696
Damon 3MX - Maxillary Central/494-4464	
Damon 3MX - Maxillary Central/494-4461	
Damon 3MX - Maxillary Central/494-4460	
Damon 3MX - Maxillary Central/494-4463	



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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Damon 3MX - Maxillary Central/494-4462	7,416,408
Damon 3MX - Maxillary Lateral/494-4475	
Damon 3MX - Maxillary Lateral/494-4474	
Damon 3MX - Maxillary Lateral/494-4471	
Damon 3MX - Maxillary Lateral/494-4470	
Damon 3MX - Maxillary Lateral/494-4473	
Damon 3MX - Maxillary Lateral/491-6472	
Damon 3MX - Maxillary Cuspid/494-4483	
Damon 3MX - Maxillary Cuspid/494-4482	
Damon 3MX - Maxillary Cuspid/494-4481	
Damon 3MX - Maxillary Cuspid/494-4480	
Damon 3MX - Maxillary Bicuspid/494-4491	
Damon 3MX - Maxillary Bicuspid/494-4490	
Damon 3MX - Maxillary Bicuspid - G/O/494-4493	
Damon 3MX - Maxillary Bicuspid - G/O/494-4492	
Damon 3MX - Maxillary 1st Molar - Snaplink Tube/438-2161	7,704,072
Damon 3MX - Maxillary 1st Molar - Snaplink Tube/438-2160	8,033,824 7,267,545
Damon 3MX - Maxillary 1st Molar - SL Buccal Tube/438-2103	7,909,603
Damon 3MX - Maxillary 1st Molar - SL Buccal Tube/438-2104	7,267,545
Damon 3MX- Mandibular Anteriors/494-4411	7,416,408
Damon 3MX- Mandibular Anteriors/494-4410	
Damon 3MX- Mandibular Anteriors/494-4413	
Damon 3MX- Mandibular Anteriors/494-4412	
Damon 3MX - Mandibular Cuspid/494-4433	
Damon 3MX - Mandibular Cuspid/494-4432	
Damon 3MX - Mandibular Cuspid/494-4431	
Damon 3MX - Mandibular Cuspid/494-4430	
Damon 3MX - Mandibular 1st Bicuspid/494-4441	
Damon 3MX - Mandibular 1st Bicuspid/494-4440	
Damon 3MX - Mandibular 1st Bicuspid - G/O/494-4443	
Damon 3MX - Mandibular 1st Bicuspid - G/O/494-4442	
Damon 3MX - Mandibular 2nd Bicuspid/494-4451	



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Damon 3MX - Mandibular 2nd Bicuspid/494-4450	
Damon 3MX - Mandibular 2nd Bicuspid - G/O/494-4453	7,416,408
Damon 3MX - Mandibular 2nd Bicuspid -G/O/494-4452	
Damon 3MX - Mandibular 1st Molar - Snaplink Tube/438-2191	7,704,072
Damon 3MX - Mandibular 1st Molar - Snaplink Tube/438-2190	8,033,824
	7,267,545
Damon Q - Mandibular 1st Molar - SL Buccal Tube/438-2101	7,909,603
Damon Q - Mandibular 1st Molar - SL Buccal Tube/438-2102	7,267,545
Damon 3 Maxillary Central/491-4141	
Damon 3 Maxillary Central/491-4140	
Damon 3 Maxillary Central/491-4111	
Damon 3 Maxillary Central/491-4110	
Damon 3 Maxillary Central/491-4121	
Damon 3 Maxillary Central/491-4120	
Damon 3 Maxillary Lateral/491-4241	
Damon 3 Maxillary Lateral/491-4240	
Damon 3 Maxillary Lateral/491-4211	
Damon 3 Maxillary Lateral/491-4210	
Damon 3 Maxillary Lateral/491-4221	
Damon 3 Maxillary Lateral/491-4220	
Damon 3 Maxillary Cuspid/491-4361	8,113,827
Damon 3 Maxillary Cuspid/491-4360	7,419,375
Damon 3 Maxillary Cuspid/491-4331	7,416,408
Damon 3 Maxillary Cuspid/491-4330	
Damon 3 Maxillary Cuspid - hook/491-5361	
Damon 3 Maxillary Cuspid - hook/491-5360	
Damon 3 Maxillary Cuspid - hook/491-5331	
Damon 3 Maxillary Cuspid - hook/491-5330	
Damon 3 Maxillary Bicuspid/491-4521	
Damon 3 Maxillary Bicuspid/491-4520	
Damon 3 Maxillary Bicuspid - hook/491-5521	
Damon 3 Maxillary Bicuspid - hook/491-5520	



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Damon 3 Maxillary 1st Molar - Snaplink Tube/438-2161	7,704,072
	8,033,824
Damon 3 Maxillary 1st Molar - Snaplink Tube/438-2160	7,267,545
Damon 3 Maxillary 1st Molar - SL Buccal Tube/438-2103	7,909,603
Damon 3 Maxillary 1st Molar - SL Buccal Tube/438-2104	7,267,545
Damon 3 Mandibular Anteriors/491-4021	
Damon 3 Mandibular Anteriors/491-4020	
Damon 3 Mandibular Anteriors/491-4051	
Damon 3 Mandibular Anteriors/491-4050	
Damon 3 Mandibular Cuspid/491-4461	
Damon 3 Mandibular Cuspid/491-4460	
Damon 3 Mandibular Cuspid - hook/491-5461	
Damon 3 Mandibular Cuspid - hook/491-5460	8,113,827
Damon 3 Mandibular Cuspid - hook/491-5431`	7,419,375
Damon 3 Mandibular Cuspid - hook/491-5430	7,416,408
Damon 3 Mandibular 1st Bicupid/491-4621	
Damon 3 Mandibular 1st Bicupid/491-4620	
Damon 3 Mandibular 1st Bicupid - hook/491-5621	
Damon 3 Mandibular 1st Bicupid - hook/491-5620	
Damon 3 Mandibular 2nd Bicupid/491-4721	
Damon 3 Mandibular 2nd Bicupid/491-4720	
Damon 3 Mandibular 2nd Bicupid - hook/491-5721	
Damon 3 Mandibular 2nd Bicupid - hook/491-5720	
Damon 3 Mandibular 1st Molar - Snaplink Tube/438-2191	7,704,072
	8,033,824
	7,267,545
Damon 3 Mandibular 1st Molar - Snaplink Tube/438-2190	
Damon 3 Mandibular 1st Molar - SL Buccal Tube/438-2101	7,909,603
Damon 3 Mandibular 1st Molar - SL Buccal Tube/438-2102	7,267,545
Titanium Orthos Maxillary Central .018L/448-8119	
Titanium Orthos Maxillary Central .018R/448-8118	6,712,607
Titanium Orthos Maxillary Central .022L/449-8119	6,358,044
Titanium Orthos Maxillary Central .022L/449-8118	5,993,206
Titanium Orthos Maxillary Central .018L/448-6111	



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Titanium Orthos Maxillary Central .018R/448-6110	6,712,607
Titanium Orthos Maxillary Central .022L/449-6111	6,358,044
Titanium Orthos Maxillary Central .022R/449-6110	5,993,206
Titanium Orthos Maxillary Lateral .018L/448-8219	
Titanium Orthos Maxillary Lateral .018R/448-8218	
Titanium Orthos Maxillary Lateral .022L/449-8219	
Titanium Orthos Maxillary Lateral .022R/449-8218	
Titanium Orthos Maxillary Lateral .018L/448-8217	
Titanium Orthos Maxillary Lateral .018R/448-8216	
Titanium Orthos Maxillary Lateral .022L/449-8217	
Titanium Orthos Maxillary Lateral .022R/449-8216	
Titanium Orthos Maxillary Lateral .018L/448-6211	
Titanium Orthos Maxillary Lateral .018R/448-6210	
Titanium Orthos Maxillary Lateral .022L/449-6211	
Titanium Orthos Maxillary Lateral .022R/449-6210	
Titanium Orthos Maxillary Lateral .018L/448-6213	
Titanium Orthos Maxillary Lateral .018R/448-6212	
Titanium Orthos Maxillary Lateral .022L/449-6213	6,712,607
Titanium Orthos Maxillary Lateral .022R/449-6212	6,358,044
Titanium Orthos Maxillary Lateral-hook .018L/448-9211	5,993,206
Titanium Orthos Maxillary Lateral-hook .018R/448-9210	
Titanium Orthos Maxillary Lateral-hook .022L/449-9211	
Titanium Orthos Maxillary Lateral-hook .022R/449-9210	
Titanium Orthos Maxillary Cuspid .018L/448-8319	
Titanium Orthos Maxillary Cuspid .018R/448-8318	
Titanium Orthos Maxillary Cuspid-hook .018L/448-9319	
Titanium Orthos Maxillary Cuspid-hook .018R/448-9318	
Titanium Orthos Maxillary Cuspid-hook .022L/449-8319	
Titanium Orthos Maxillary Cuspid-hook .022R/449-9318	
Titanium Orthos Maxillary Cuspid .018L/448-6311	
Titanium Orthos Maxillary Cuspid .018R/448-6310	
Titanium Orthos Maxillary Cuspid .022L/449-6311	
Titanium Orthos Maxillary Cuspid .022R/449-6310	





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Titanium Orthos Maxillary Cuspid-hook .018L/448-7311	6,712,607 6,358,044 5,993,206
Titanium Orthos Maxillary Cuspid-hook .018R/448-7310	
Titanium Orthos Maxillary Cuspid-hook .022L/449-7311	
Titanium Orthos Maxillary Cuspid-hook .022R/449-7310	
Titanium Orthos Maxillary 1st Bicuspid .018L/448-6411	
Titanium Orthos Maxillary 1st Bicuspid .018R/448-6410	
Titanium Orthos Maxillary 1st Bicuspid .022L/449-6411	
Titanium Orthos Maxillary 1st Bicuspid .022R/449-6410	
Titanium Orthos Maxillary 1st Bicuspid-hook .018L/448-6413	
Titanium Orthos Maxillary 1st Bicuspid-hook .018R/448-6412	
Titanium Orthos Maxillary 1st Bicuspid-hook .022L/449-6413	
Titanium Orthos Maxillary 1st Bicuspid-hook .022R/449-6412	
Titanium Orthos Maxillary 2nd Bicuspid .018L/448-6511	
Titanium Orthos Maxillary 2nd Bicuspid .018R/448-6510	
Titanium Orthos Maxillary 2nd Bicuspid .022L/449-6511	
Titanium Orthos Maxillary 2nd Bicuspid .022R/449-6510	
Titanium Orthos Maxillary 2nd Bicuspid-hook .018L/448-6513	
Titanium Orthos Maxillary 2nd Bicuspid-hook .018R/448-6512	
Titanium Orthos Maxillary 2nd Bicuspid-hook .022L/449-6513	
Titanium Orthos Maxillary 2nd Bicuspid-hook .022R/449-6512	
Titanium Orthos Mandibular Central .018L/448-6615	
Titanium Orthos Mandibular Central .018R/448-6610	
Titanium Orthos Mandibular Central .022L/449-6615	
Titanium Orthos Mandibular Central .022L/449-6610	
Titanium Orthos Mandibular Central .018L/448-8617	6,712,607 6,358,044 5,993,206
Titanium Orthos Mandibular Central .018R/448-8612	
Titanium Orthos Mandibular Central .022L/449-8617	
Titanium Orthos Mandibular Central .022R/449-8612	
Titanium Orthos Mandibular Lateral .018L/448-6625	6,712,607 6,358,044 5,993,206
Titanium Orthos Mandibular Lateral .018R/448-6620	
Titanium Orthos Mandibular Lateral .022L/449-6625	
Titanium Orthos Mandibular Lateral .022R/449-6620	
Titanium Orthos Mandibular Lateral .018L/448-8629	





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Titanium Orthos Mandibular Lateral .018R/448-8624	
Titanium Orthos Mandibular Lateral .022L/449-8629	
Titanium Orthos Mandibular Lateral .022R/449-8624	
Titanium Orthos Mandibular Lateral .018L/448-8627	
Titanium Orthos Mandibular Lateral .018R/448-8622	
Titanium Orthos Mandibular Lateral .022L/449-8627	
Titanium Orthos Mandibular Lateral .022R/449-8622	
Titanium Orthos Mandibular Cuspid .018L/448-8719	
Titanium Orthos Mandibular Cuspid .018R/448-8718	
Titanium Orthos Mandibular Cuspid-hook .018L/448-9719	
Titanium Orthos Mandibular Cuspid-hook .018R/448-9718	
Titanium Orthos Mandibular Cuspid-hook .022L/449-9721	
Titanium Orthos Mandibular Cuspid-hook .022R/449-9720	
Titanium Orthos Mandibular Cuspid .018L/448-6711	6,712,607
Titanium Orthos Mandibular Cuspid .018R/448-6710	6,358,044
Titanium Orthos Mandibular Cuspid .022L/449-6711	5,993,206
Titanium Orthos Mandibular Cuspid .022R/449-6710	
Titanium Orthos Mandibular Cuspid-hook .018L/448-7711	
Titanium Orthos Mandibular Cuspid-hook .018R/448-7710	
Titanium Orthos Mandibular Cuspid-hook .022L/449-7711	
Titanium Orthos Mandibular Cuspid-hook .022R/449-7710	
Titanium Orthos Mandibular 1st Bicuspid .018L/448-6813	
Titanium Orthos Mandibular 1st Bicuspid .018R/448-6812	
Titanium Orthos Mandibular 1st Bicuspid .022L/449-6813	
Titanium Orthos Mandibular 1st Bicuspid .022R/449-6812	
Titanium Orthos Mandibular 1st Bicuspid-hook .018L/448-6815	
Titanium Orthos Mandibular 1st Bicuspid-hook .018R/448-6814	
Titanium Orthos Mandibular 1st Bicuspid-hook .022L/449-6815	
Titanium Orthos Mandibular 1st Bicuspid-hook .022R/449-6814	
Titanium Orthos Mandibular 2nd Bicuspid .018L/448-6911	6,712,607
Titanium Orthos Mandibular 2nd Bicuspid .018R/448-6910	6,358,044
Titanium Orthos Mandibular 2nd Bicuspid .022L/449-6911	5,993,206
Titanium Orthos Mandibular 2nd Bicuspid .022R/449-6910	



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Titanium Orthos Mandibular 2nd Bicuspid-hook .018R/448-6912	
Titanium Orthos Mandibular 2nd Bicuspid-hook .022L/449-6913	
Titanium Orthos Mandibular 2nd Bicuspid-hook .022R/449-6912	
Titanium Orthos Mandibular 2nd Bicuspid .018L/448-8917	
Titanium Orthos Mandibular 2nd Bicuspid .018R/448-8916	
Titanium Orthos Mandibular 2nd Bicuspid - hook .018L/448-9917	
Titanium Orthos Mandibular 2nd Bicuspid - hook .018R/448-9916	
Titanium Orthos Mandibular Single Patient Kit .018/740-1278	6,712,607 6,358,044 5,993,206
Titanium Orthos Mandibular Single Patient Kit .022/740-1279	
Titanium Orthos Mandibular Single Patient Kit .018/740-1280	
Titanium Orthos Mandibular Single Patient Kit .022/740-1281	
Orthos Maxillary Lateral .018L/454-0211	
Orthos Maxillary Lateral .018R/454-0210	
Orthos Maxillary Lateral .022L/455-0211	
Orthos Maxillary Lateral .022R/455-0210	
Orthos Maxillary Lateral .018L/454-0213	
Orthos Maxillary Lateral .018R/454-0212	
Orthos Maxillary Lateral .022L/455-0213	
Orthos Maxillary Lateral .022R/455-0212	
Orthos Maxillary Cuspid .018L/454-0311	
Orthos Maxillary Cuspid .018R/454-0310	
Orthos Maxillary Cuspid .022L/455-0311	
Orthos Maxillary Cuspid .022R/455-0310	
Orthos Maxillary Cuspid - hook .018L/454-1311	
Orthos Maxillary Cuspid - hook .018R/454-1310	
Orthos Maxillary Cuspid - hook .022L/455-1311	
Orthos Maxillary Cuspid - hook .022R/455-1310	
Orthos Maxillary 1st Bicuspid .018L/454-0411	
Orthos Maxillary 1st Bicuspid .018R/454-0410	
Orthos Maxillary 1st Bicuspid .022L/455-0411	
Orthos Maxillary 1st Bicuspid .022R/455-0410	
Orthos Maxillary 1st Bicuspid-hook .018L/454-1411	



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Orthos Maxillary 1st Bicuspid-hook .018R/454-1410	
Orthos Maxillary 1st Bicuspid-hook .022L/455-1411	
Orthos Maxillary 1st Bicuspid-hook .022R/455-1410	
Orthos Maxillary 1st Bicuspid .018L/454-0413	
Orthos Maxillary 1st Bicuspid .018R/454-0412	
Orthos Maxillary 1st Bicuspid .022L/455-0413	
Orthos Maxillary 1st Bicuspid .022R/455-0412	
Orthos Maxillary 1st Bicuspid-hook .018L/454-1413	
Orthos Maxillary 1st Bicuspid-hook .018R/454-1412	
Orthos Maxillary 1st Bicuspid-hook .022L/455-1413	
Orthos Maxillary 1st Bicuspid-hook .022R/455-1412	
Orthos Mandibular Lateral .018L/454-0625	
Orthos Mandibular Lateral .018R/454-0620	
Orthos Mandibular Lateral .022L/455-0625	
Orthos Mandibular Lateral .022R/455-0620	
Orthos Mandibular Lateral .018L/454-0635	
Orthos Mandibular Lateral .018R/454-0630	
Orthos Mandibular Lateral .022L/455-0635	
Orthos Mandibular Lateral .022R/455-0630	
Orthos Mandibular Cuspid .018L/454-0711	
Orthos Mandibular Cuspid .018R/454-0710	
Orthos Mandibular Cuspid .022L/455-0711	
Orthos Mandibular Cuspid .022R/455-0710	
Orthos Mandibular Cuspid-hook .018L/454-1711	
Orthos Mandibular Cuspid-hook .018R/454-1710	
Titanium Orthos Mandibular Cuspid-hook .022L/455-1711	
Titanium Orthos Mandibular Cuspid-hook .022R/455-1710	
Titanium Orthos Mandibular 1st Bicuspid .018L/454-0813	
Titanium Orthos Mandibular 1st Bicuspid .018R/454-0812	
Titanium Orthos Mandibular 1st Bicuspid .022L/455-0813	
Titanium Orthos Mandibular 1st Bicuspid .022R/455-0812	
Titanium Orthos Mandibular 1st Bicuspid-hook .018L/454-1813	
Titanium Orthos Mandibular 1st Bicuspid-hook .018R/454-1812	



ORMCO Patent Portfolio (Foreign Counterparts Are Not Shown)

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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Titanium Orthos Mandibular 1st Bicuspid-hook .022L/455-1813	
Titanium Orthos Mandibular 1st Bicuspid-hook .022R/454-1812	
Titanium Orthos Mandibular 1st Bicuspid .018L/454-0815	
Titanium Orthos Mandibular 1st Bicuspid .018R/454-0814	
Titanium Orthos Mandibular 1st Bicuspid .022L/455-0815	
Titanium Orthos Mandibular 1st Bicuspid .022R/455-0814	
Titanium Orthos Mandibular 1st Bicuspid-hook .018L/454-1815	
Titanium Orthos Mandibular 1st Bicuspid-hook .018R/454-1814	
Titanium Orthos Mandibular 1st Bicuspid-hook .022L/455-1815	
Titanium Orthos Mandibular 1st Bicuspid-hook .022R/454-1814	
Titanium Orthos Mandibular Single Patient Kit .018/740-1246	
Titanium Orthos Mandibular Single Patient Kit .022/740-12467	
Bios Maxillary Lateral .018L/348-6219	
Bios Maxillary Lateral .018R/348-6218	
Bios Maxillary Cuspid .018L/348-6319	
Bios Maxillary Cuspid .018R/348-6318	
Bios Maxillary Cuspid - hook .018L/348-7319	
Bios Maxillary Cuspid - hook .018R/348-7318	
Bios Maxillary 1st Bicuspid .022L/455-0413	
Bios Maxillary 1st Bicuspid .022R/455-0412	
Bios Maxillary 1st Bicuspid - hook .022L/455-1411	
Bios Maxillary 1st Bicuspid - hook .022R/455-1410	
Bios Maxillary Lateral .022L/455-0625	
Bios Maxillary Lateral .022R/455-0620	
Bios Maxillary Cuspid .018L/348-6719	
Bios Maxillary Cuspid .018R/348-6718	
Bios Maxillary Cuspid - hook .018L/348-7719	
Bios Maxillary Cuspid - hook .018R/348-7718	
Bios Maxillary Cuspid - hook .022L/455-1721	
Bios Maxillary Cuspid - hook .022R/455-1720	
Bios Maxillary 1st Bicuspid .022L/455-0813	
Bios Maxillary 1st Bicuspid .022R/455-0812	
Bios Maxillary 1st Bicuspid - hook .022L/455-1813	



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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Bios Maxillary 1st Bicuspid - hook .022R/455-1812	
Orthos AP Maxillary Lateral .018L/348-8211	
Orthos AP Maxillary Lateral .018R/348-8210	
Orthos AP Maxillary Lateral .022L/349-8211	
Orthos AP Maxillary Lateral .022R/349-8210	
Orthos AP Maxillary Cuspid-hook .018L/348-9311	
Orthos AP Maxillary Cuspid-hook .018R/348-9310	
Orthos AP Maxillary Cuspid-hook .022L/349-9311	
Orthos AP Maxillary Cuspid-hook .022R/349-9310	
Orthos AP Maxillary 1st Bicuspid .018L/348-8411	
Orthos AP Maxillary 1st Bicuspid .018R/348-8410	
Orthos AP Maxillary 1st Bicuspid .022L/349-8411	
Orthos AP Maxillary 1st Bicuspid .022R/349-8410	
Orthos AP Mandibular Anterior .018 Universal/348-8620	
Orthos AP Mandibular Anterior .022 Universal/349-8620	
Orthos AP Mandibular Cuspid .018L/348-8711	
Orthos AP Mandibular Cuspid .018R/348-8710	
Orthos AP Mandibular Cuspid-hook .018L/348-9711	
Orthos AP Mandibular Cuspid-hook .018R/348-9710	
Orthos AP Mandibular Cuspid-hook .022L/349-9711	
Orthos AP Mandibular Cuspid-hook .022R/349-9710	
Orthos AP Mandibular 1st Bicuspid .018L/348-8813	
Orthos AP Mandibular 1st Bicuspid .018R/348-8812	
Orthos AP Mandibular 1st Bicuspid .022L/349-8813	
Orthos AP Mandibular 1st Bicuspid .022R/349-8812	
SpiritMB Maxillary .018L Central/494-0111	
SpiritMB Maxillary .018R Central/494-0110	
SpiritMB Maxillary .022L Central/495-0111	
SpiritMB Maxillary .022R Central/495-0110	
SpiritMB Maxillary .018L Lateral/494-0211	
SpiritMB Maxillary .018R Lateral/494-0210	
SpiritMB Maxillary .022L Lateral/495-0211	
SpiritMB Maxillary .022R Lateral/495-0210	
SpiritMB Maxillary .018L Cuspid/494-0301	
	5,622,494
	6,071,117
	6,190,165



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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
SpiritMB Maxillary .018R Cuspid/494-0300	
SpiritMB Maxillary .022L Cuspid/495-0301	
SpiritMB Maxillary .022R Cuspid/495-0300	
SpiritMB Maxillary .018L Cuspid - hook/494-1301	
SpiritMB Maxillary .018R Cuspid - hook/494-1300	
SpiritMB Maxillary .022L Cuspid - hook/495-1301	
SpiritMB Maxillary .022R Cuspid - hook/495-1300	
SpiritMB Maxillary .018 Universal Bicuspid/494-0514	
SpiritMB Maxillary .022 Universal Bicuspid/495-0514	
SpiritMB Maxillary .018 Universal Bicuspid - hook/494-1514	
SpiritMB Maxillary .022 Universal Bicuspid - hook/495-1514	
SpiritMB Mandibular .018 Universal Anterior/494-0025	
SpiritMB Mandibular .022 Universal Anterior/495-0025	
SpiritMB Mandibular .018L Cuspid/494-0411	
SpiritMB Mandibular .018R Cuspid/494-0410	
SpiritMB Mandibular .018L Cuspid - hook/494-1411	5,622,494
SpiritMB Mandibular .018R Cuspid - hook/494-1410	6,071,117
SpiritMB Mandibular .022L Cuspid - hook/495-1411	6,190,165
SpiritMB Mandibular .022R Cuspid - hook/495-1410	
SpiritMB Mandibular .018 Universal 1st Bicuspid/494-0615	
SpiritMB Mandibular .022 Universal 1st Bicuspid/495-0615	
SpiritMB Mandibular .018 Universal 1st Bicuspid -hook/494-1615	
SpiritMB Mandibular .022 Universal 1st Bicuspid -hook/495-1615	
SpiritMB Mandibular .018 Universal 2nd Bicuspid/494-0725	
SpiritMB Mandibular .022 Universal 2nd Bicuspid/495-0725	
SpiritMB Mandibular .018 Universal 2nd Bicuspid -hook/494-1725	
SpiritMB Mandibular .022 Universal 2nd Bicuspid -hook/495-1725	
SpiritMB .022 Single Patient Kit Upper 3-3/740-0222	
SpiritMB .018 Single Patient Kit Upper 3-3, hooks on Cuspids/740-1221	
SpiritMB .022 Single Patient Kit Upper 3-3. hooks on Cuspids/740-1222	
SpiritMB .022 Single Patient Kit Upper/Lower 3-3/740-0224	



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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
SpiritMB .018 Single Patient Kit Upper/Lower 3-3, hooks on Cuspids/740-1223	5,622,494 6,071,117 6,190,165
SpiritMB .022 Single Patient Kit Upper/Lower 3-3, hooks on Cuspids/740-1224	
SpiritMB .018 Single Patient Kit Upper 5-5, hooks on Cuspids/740-1225	
SpiritMB .022 Single Patient Kit Upper 5-5, hooks on Cuspids/740-1226	
SpiritMB .018 Single Patient Kit Upper/Lower 5-5/740-0227	
SpiritMB .022 Single Patient Kit Upper/Lower 5-5/740-0228	
SpiritMB .018 Single Patient Kit Upper/Lower 5-5, hooks on Cuspids/740-1227	
SpiritMB .022 Single Patient Kit Upper/Lower 5-5, hooks on Cuspids/740-1228	
Damon Arch Form/ Copper Ni-Ti with Stops .013/205-1909	7,160,106
Damon Arch Form/ Copper Ni-Ti with Stops .014/205-1902	
Damon Arch Form/ Copper Ni-Ti with Stops .016/205-1903	
Damon Arch Form/ Copper Ni-Ti with Stops .018/205-1904	
Damon Arch Form/ Copper Ni-Ti with Stops .014 x .025/205-1905	
Damon Arch Form/ Copper Ni-Ti with Stops .016 x .025/205-1906	
Damon Arch Form/ Copper Ni-Ti with Stops .018 x .025/205-1907	
Titanium Niobium Orthos Upper Small .016 x .022 Archwire/219-8208	6,428,624
Titanium Niobium Orthos Upper Small .017 x .025 Archwire/219-8210	
Titanium Niobium Orthos Upper Small .019 x .025 Archwire/219-8212	
Titanium Niobium Orthos Upper Small .021 x .025 Archwire/219-8213	
Titanium Niobium Orthos Lower Small .016 x .022 Archwire/219-8108	
Titanium Niobium Orthos Lower Small .017 x .025 Archwire/219-8110	
Titanium Niobium Orthos Lower Small .019 x .025 Archwire/219-8112	
Titanium Niobium Orthos Lower Small .021 x .025 Archwire/219-8113	





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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Titanium Niobium Orthos Upper Large .016 x .022 Archwire/ 219-8408	6,428,624
Titanium Niobium Orthos Upper Large .017 x .025 Archwire/ 219-8410	
Titanium Niobium Orthos Upper Large .019 x .025 Archwire/ 219-8412	
Titanium Niobium Orthos Lower Large .017 x .025 Archwire/ 219-8310	
Titanium Niobium Orthos Lower Large .019 x .025 Archwire/ 219-8312	
Insignia Custom	6,244,861 6,616,414 6,015,289 5,683,243 5,553,895 5,464,349 6,846,179 7,094,053 7,229,282
Inspire Ice Debonding Plier/866-4020	7,581,949
Damon Clear Debonding Instrument/866-4019	8,128,400
Damon 3MX Debonding/Repositioning Instrument/866-4015	7,581,949 8,128,400
Bite Fixer 10 Patient Kit/600-2000	6,328,562 6,113,390
Bite Fixer Size 3 Left/600-2003	
Bite Fixer Size 3 Right/600-2013	
Bite Fixer Size 4 Left/600-2004	
Bite Fixer Size 4 Right/600-2014	
Bite Fixer Size 5 Left/600-2005	



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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Bite Fixer Size 5 Right/600-2015	6,328,562 6,113,390
Accent Buccal Tube Upper First Molar Double Weldable .018L/ 521-0238	5,556,277
Accent Buccal Tube Upper First Molar Double Weldable .018R/ 520-0238	
Accent Buccal Tube Upper First Molar Double Weldable .022L/ 521-0239	
Accent Buccal Tube Upper First Molar Double Weldable .022R/ 520-0239	
Accent Buccal Tube Upper First Molar Double Bondable .018L/ 340-1240	
Accent Buccal Tube Upper First Molar Double Bondable .018R/ 340-0240	
Accent Buccal Tube Upper First Molar Double Bondable .022L/ 342-1239	
Accent Buccal Tube Upper First Molar Double Bondable .022R/ 342-0239	
Accent Buccal Tube Upper First Molar Single Weldable .018L/ 515-0116	
Accent Buccal Tube Upper First Molar Single Weldable .018R/ 514-0116	
Accent Buccal Tube Upper First Molar Single Weldable .022L/ 515-0115	
Accent Buccal Tube Upper First Molar Single Weldable .022R/ 514-0115	
Accent Buccal Tube Upper First Molar Single Bondable .018L/ 340-5116	
Accent Buccal Tube Upper First Molar Single Bondable .018R/ 340-4116	
Accent Buccal Tube Upper First Molar Single Bondable .022L/ 342-5115	
Accent Buccal Tube Upper First Molar Single Bondable .022R/ 342-4115	
Accent Buccal Tube Upper Second Molar Single Weldable .018L/ 515-0112	
Accent Buccal Tube Upper Second Molar Single Weldable .018R/ 514-0112	



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Accent Buccal Tube Upper Second Molar Single Weldable .022L/ 515-0111	5,556,277
Accent Buccal Tube Upper Second Molar Single Weldable .022R/ 514-0111	
Accent Buccal Tube Upper Second Molar Single Bondable .018L/ 340-5112	
Accent Buccal Tube Upper Second Molar Single Bondable .018R/ 340-4112	
Accent Buccal Tube Upper Second Molar Single Bondable .022L/ 342-5111	
Accent Buccal Tube Upper Second Molar Single Bondable .022R/ 342-4111	
Accent Buccal Tube Upper Second Molar Single Weldable .018L/ 515-0202	
Accent Buccal Tube Upper Second Molar Single Weldable .018R/ 514-0202	
Accent Buccal Tube Upper Second Molar Single Weldable .022L/ 515-0201	
Accent Buccal Tube Upper Second Molar Single Weldable .022R/ 514-0201	
Accent Buccal Tube Upper Second Molar Single Bondable .018L/ 340-5202	
Accent Buccal Tube Upper Second Molar Single Bondable .018R/ 340-4202	
Accent Buccal Tube Upper Second Molar Single Bondable .022L/ 342-5201	
Accent Buccal Tube Upper Second Molar Single Bondable .022R/ 342-4201	
Accent Buccal Tube Upper Second Molar Single Weldable .018L/ 515-0202	
Accent Buccal Tube Upper Second Molar Single Weldable .018R/ 514-0202	
Accent Buccal Tube Upper Second Molar Single Weldable .022L/ 515-0201	
Accent Buccal Tube Upper Second Molar Single Weldable .022R/ 514-0201	
Accent Buccal Tube Upper Second Molar Single Bondable .018L/ 340-5202	



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Accent Buccal Tube Upper Second Molar Single Bondable .018R/ 340-4202	5,556,277
Accent Buccal Tube Upper Second Molar Single Bondable .022L/ 342-5201	
Accent Buccal Tube Upper Second Molar Single Bondable .022R/ 342-4201	
Accent Buccal Tube Upper Second Molar Single Weldable .018L/ 515-0216	
Accent Buccal Tube Upper Second Molar Single Weldable .018R/ 514-0216	
Accent Buccal Tube Upper Second Molar Single Weldable .022L/ 515-0215	
Accent Buccal Tube Upper Second Molar Single Weldable .022R/ 514-0215	
Accent Buccal Tube Upper Second Molar Single Bondable .018L/ 340-5216	
Accent Buccal Tube Upper Second Molar Single Bondable .018R/ 340-4216	
Accent Buccal Tube Upper Second Molar Single Bondable .022L/ 342-5215	
Accent Buccal Tube Upper Second Molar Single Bondable .022R/ 342-4215	
Accent Buccal Tube Upper Second Molar Single Weldable .018L/ 515-0212	
Accent Buccal Tube Upper Second Molar Single Weldable .018R/ 514-0212	
Accent Buccal Tube Upper Second Molar Single Weldable .022L/ 515-0211	
Accent Buccal Tube Upper Second Molar Single Weldable .022R/ 514-0211	
Accent Buccal Tube Upper Second Molar Single Bondable .018L/ 340-5212	
Accent Buccal Tube Upper Second Molar Single Bondable .018R/ 340-4212	
Accent Buccal Tube Upper Second Molar Single Bondable .022L/ 342-5211	
Accent Buccal Tube Upper Second Molar Single Bondable .022R/ 342-4211	



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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Accent Buccal Tube Lower First Molar Single Weldable .018L/521-0236	5,556,277
Accent Buccal Tube Lower First Molar Single Weldable .018R/520-0236	
Accent Buccal Tube Lower First Molar Single Weldable .022L/521-0237	
Accent Buccal Tube Lower First Molar Single Weldable .022R/520-0237	
Accent Buccal Tube Lower First Molar Single Bondable .018L/340-1236	
Accent Buccal Tube Lower First Molar Single Bondable .018R/340-0236	
Accent Buccal Tube Lower First Molar Single Bondable .022L/342-1241	
Accent Buccal Tube Lower First Molar Single Bondable .022R/342-0241	
Accent Buccal Tube Lower First Molar Single Weldable .018L/521-0232	
Accent Buccal Tube Lower First Molar Single Weldable .018R/520-0232	
Accent Buccal Tube Lower First Molar Single Weldable .022L/521-0231	
Accent Buccal Tube Lower First Molar Single Weldable .022R/520-0231	
Accent Buccal Tube Lower First Molar Single Bondable .018L/340-1232	
Accent Buccal Tube Lower First Molar Single Bondable .018R/340-0232	
Accent Buccal Tube Lower First Molar Single Bondable .022L/342-1231	
Accent Buccal Tube Lower First Molar Single Bondable .022R/342-0231	
Accent Buccal Tube Lower First Molar Single Weldable .018L/515-0118	
Accent Buccal Tube Lower First Molar Single Weldable .018R/514-0118	
Accent Buccal Tube Lower First Molar Single Weldable .022L/515-0117	



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Accent Buccal Tube Lower First Molar Single Weldable .022R/ 514-0117	5,556,277
Accent Buccal Tube Lower First Molar Single Bondable .018L/ 340-5118	
Accent Buccal Tube Lower First Molar Single Bondable .018R/ 340-4118	
Accent Buccal Tube Lower First Molar Single Bondable .022L/ 342-5117	
Accent Buccal Tube Lower First Molar Single Bondable .022R/ 342-4117	
Accent Buccal Tube Lower First Molar Single Weldable .018L/ 515-0122	
Accent Buccal Tube Lower First Molar Single Weldable .018R/ 514-0122	
Accent Buccal Tube Lower First Molar Single Weldable .022L/ 515-0121	
Accent Buccal Tube Lower First Molar Single Weldable .022R/ 514-0121	
Accent Buccal Tube Lower First Molar Single Bondable .022L/ 342-5121	
Accent Buccal Tube Lower First Molar Single Bondable .022R/ 342-4121	
Accent Buccal Tube Lower Second Molar Single Weldable .018L/ 514-0202	
Accent Buccal Tube Lower Second Molar Single Weldable .018R/ 515-0202	
Accent Buccal Tube Lower Second Molar Single Weldable .022L/ 514-0201	
Accent Buccal Tube Lower Second Molar Single Weldable .022R/ 515-0201	
Accent Buccal Tube Lower Second Molar Single Bondable .018L/ 340-4202	
Accent Buccal Tube Lower Second Molar Single Bondable .018R/ 340-5202	
Accent Buccal Tube Lower Second Molar Single Bondable .022L/ 342-4201	
Accent Buccal Tube Lower Second Molar Single Bondable .022R/ 342-5201	



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Product Name/Part Number	United States Patent Numbers (one or more may be applicable to the corresponding product)
Accent Buccal Tube Lower Second Molar Single Weldable .018L/ 514-0214	5,556,277
Accent Buccal Tube Lower Second Molar Single Weldable .018R/ 515-0214	
Accent Buccal Tube Lower Second Molar Single Weldable .022L/ 514-0213	
Accent Buccal Tube Lower Second Molar Single Weldable .022R/ 515-0213	
Accent Buccal Tube Lower Second Molar Single Bondable .018L/ 340-4214	
Accent Buccal Tube Lower Second Molar Single Bondable .018R/ 340-5214	
Accent Buccal Tube Lower Second Molar Single Bondable .022L/ 342-4213	
Accent Buccal Tube Lower Second Molar Single Bondable .022R/ 342-5213	
Accent Buccal Tube Lower Second Molar Single Weldable .018L/ 514-0114	
Accent Buccal Tube Lower Second Molar Single Weldable .018R/ 515-0114	
Accent Buccal Tube Lower Second Molar Single Weldable .022L/ 514-0113	
Accent Buccal Tube Lower Second Molar Single Weldable .022R/ 515-0113	
Accent Buccal Tube Lower Second Molar Single Bondable .018L/ 340-4114	
Accent Buccal Tube Lower Second Molar Single Bondable .018R/ 340-5114	
Accent Buccal Tube Lower Second Molar Single Bondable .022L/ 342-4113	
Accent Buccal Tube Lower Second Molar Single Bondable .022R/ 342-5113	
Accent Buccal Tube Lower Second Molar Single Bondable .018L/ 340-5122	
Accent Buccal Tube Lower Second Molar Single Bondable .018R/ 340-4122	
Accent Buccal Tube Lower Second Molar Single Bondable .022L/ 342-5121	





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Accent Buccal Tube Lower Second Molar Single Bondable .022R/342-4121	5,556,277
Accent Buccal Tube Lower Second Molar Single Weldable .018L/515-0132	
Accent Buccal Tube Lower Second Molar Single Weldable .018R/514-0132	
Accent Buccal Tube Lower Second Molar Single Weldable .022L/515-0131	
Accent Buccal Tube Lower Second Molar Single Weldable .022R/514-0131	
Accent Buccal Tube Lower Second Molar Single Bondable .018L/340-5132	
Accent Buccal Tube Lower Second Molar Single Bondable .018R/340-4132	
Accent Buccal Tube Lower Second Molar Single Bondable .022L/342-5131	
Accent Buccal Tube Lower Second Molar Single Bondable .022R/342-4131	
Accent Mini Tubes Damon Rx Upper First Molar .022L/513-0163	
Accent Mini Tubes Damon Rx Upper First Molar .022R/513-0162	
Accent Mini Tubes Damon Rx Upper Second Molar .022L/513-0171	
Accent Mini Tubes Damon Rx Upper Second Molar .022R/513-0170	
Accent Mini Tubes Damon Rx Lower First Molar .022L/513-0165	
Accent Mini Tubes Damon Rx Lower First Molar .022R/513-0164	
Accent Mini Tubes Damon Rx Lower Second Molar .022L/513-0173	
Accent Mini Tubes Damon Rx Lower Second Molar .022R/513-0172	
Accent Mini Tubes Roth Rx Upper First Molar .018L/137-0361	
Accent Mini Tubes Roth Rx Upper First Molar .018R/137-0360	
Accent Mini Tubes Roth Rx Upper First Molar .022L/138-0361	
Accent Mini Tubes Roth Rx Upper First Molar .022R/138-0360	
Accent Mini Tubes Roth Rx Upper Second Molar .018L/137-0371	
Accent Mini Tubes Roth Rx Upper Second Molar .018R/137-0370	
Accent Mini Tubes Roth Rx Upper Second Molar .022L/138-0371	
Accent Mini Tubes Roth Rx Upper Second Molar .022R/138-0370	
Accent Mini Tubes Roth Rx Lower First Molar .018L/137-0363	
Accent Mini Tubes Roth Rx Lower First Molar .018R/137-0362	



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Accent Mini Tubes Roth Rx Lower First Molar .022L/138-0363	5,556,277
Accent Mini Tubes Roth Rx Lower First Molar .022R/138-0362	
Accent Mini Tubes Roth Rx Lower Second Molar .018L/137-0373	
Accent Mini Tubes Roth Rx Lower Second Molar .018R/137-0372	
Accent Mini Tubes Roth Rx Lower Second Molar .022L/138-0373	
Accent Mini Tubes Roth Rx Lower Second Molar .022R/138-0372	
Accent Mini Tubes MBT Rx Upper First Molar .018L/137-0365	
Accent Mini Tubes MBT Rx Upper First Molar .018R/137-0364	
Accent Mini Tubes MBT Rx Upper First Molar .022L/138-0365	
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ORMCO Patent Portfolio (Foreign Counterparts Are Not Shown)

The table below lists the patents which cover ORMCO products. The left column contains the product name/part numbers and the corresponding right column contains the United States patent numbers, one or more of which cover the product.