

Title (en)
DUAL SHELL DENTAL APPLIANCE AND MATERIAL CONSTRUCTIONS

Title (de)
DENTALGERÄT MIT DOPPELHÜLLE UND MATERIALKONSTRUKTIONEN

Title (fr)
APPAREIL DENTAIRE À DOUBLE ENVELOPPE ET CONSTRUCTIONS DE MATÉRIAU

Publication
EP 4076955 A4 20240110 (EN)

Application
EP 20903985 A 20201218

Priority
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Abstract (en)
[origin: WO2021127384A1] Improved dental appliances and polymeric sheet compositions are disclosed. The polymeric sheet compositions are useful for making dental appliances having outer layers comprised of a material having a modulus of from about 1,000 MPA to 2,500 MPA ("hard") and an inner core comprised of elastomeric material or materials having a modulus of from about 50 MPa to 500 MPa ("soft"), which exhibit improved flexibility and strength, and better stain and tear resistance than currently available materials and dental appliances.

IPC 8 full level
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A61C 5/007 (2013.01 - KR); **A61C 7/08** (2013.01 - EP KR); **A61C 13/0022** (2013.01 - EP KR); **A61F 5/566** (2013.01 - EP); **B32B 7/02** (2013.01 - EP); **B32B 7/022** (2019.01 - EP KR); **B32B 7/12** (2013.01 - EP); **B32B 25/042** (2013.01 - EP); **B32B 25/08** (2013.01 - EP KR); **B32B 25/14** (2013.01 - EP); **B32B 25/16** (2013.01 - EP); **B32B 25/20** (2013.01 - EP KR); **B32B 27/08** (2013.01 - EP); **B32B 27/16** (2013.01 - EP); **B32B 27/18** (2013.01 - KR); **B32B 27/28** (2013.01 - EP); **B32B 27/304** (2013.01 - EP KR); **B32B 27/308** (2013.01 - KR); **B32B 27/32** (2013.01 - EP KR); **B32B 27/34** (2013.01 - EP KR); **B32B 27/36** (2013.01 - EP); **B32B 27/365** (2013.01 - EP KR); **B32B 27/40** (2013.01 - EP KR); **B32B 2250/03** (2013.01 - EP KR); **B32B 2250/04** (2013.01 - EP); **B32B 2250/05** (2013.01 - EP); **B32B 2250/40** (2013.01 - EP KR); **B32B 2255/10** (2013.01 - EP); **B32B 2255/26** (2013.01 - EP); **B32B 2270/00** (2013.01 - EP); **B32B 2307/30** (2013.01 - EP); **B32B 2307/51** (2013.01 - EP KR); **B32B 2307/536** (2013.01 - EP KR); **B32B 2307/542** (2013.01 - EP KR); **B32B 2307/546** (2013.01 - EP KR); **B32B 2307/558** (2013.01 - EP KR); **B32B 2307/5825** (2013.01 - EP KR); **B32B 2307/708** (2013.01 - EP); **B32B 2307/712** (2013.01 - EP); **B32B 2307/732** (2013.01 - EP KR); **B32B 2307/734** (2013.01 - EP); **B32B 2307/738** (2013.01 - EP); **B32B 2307/746** (2013.01 - EP); **B32B 2309/105** (2013.01 - KR); **B32B 2535/00** (2013.01 - EP KR)

Citation (search report)
• [XA] WO 2018222864 A1 20181206 - BAY MAT LLC [US]
• [A] US 2019143653 A1 20190516 - PUDLEINER HEINZ [DE], et al
• [A] WO 2010074789 A1 20100701 - DOW GLOBAL TECHNOLOGIES INC [US], et al
• [A] US 6746757 B1 20040608 - TAKAGI KIYOJI [JP], et al
• See also references of WO 2021127384A1

Designated contracting state (EPC)
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