

Title (en)
ALUMINUM TREATMENT COMPOSITION

Title (de)
ALUMINIUMBEHANDLUNGSZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE TRAITEMENT D'ALUMINIUM

Publication
EP 2265740 A4 20161116 (EN)

Application
EP 09725820 A 20090219

Priority
• US 2009034457 W 20090219
• US 5553908 A 20080326

Abstract (en)
[origin: WO2009120431A1] An aqueous conversion coating composition for treating metal substrates such as aluminum, aluminum alloys, zinc, zinc alloys, magnesium, magnesium alloys and steel to provide a conversion coating thereon. The conversion coating composition comprises a) a source of aluminum ions; b) a fluoro compound; c) at least one pH adjuster; d) a source of Group VIB metal ions selected from the group consisting of tungstate ions and trivalent chromium ions; and e) optionally, a preservative. The conversion coating composition provides a corrosion resistant coating on the metal surface and improves the adhesion of subsequently applied layers.

IPC 8 full level
C09D 1/00 (2006.01); **C23C 8/00** (2006.01)

CPC (source: EP US)
C09D 1/00 (2013.01 - EP US); **C09D 5/103** (2013.01 - EP US); **C23C 22/34** (2013.01 - EP US); **C23C 22/44** (2013.01 - EP US); **C23C 22/83** (2013.01 - EP US); **C23C 2222/10** (2013.01 - EP US)

Citation (search report)
• [X] JP 2006328501 A 20061207 - NIHON PARKERIZING
• [X] US 3404044 A 19681001 - RUSSELL WILLIAM S
• [X] US 3347713 A 19671017 - LODEESEN HERMAN J, et al
• [X] US 3391031 A 19680702 - RUSSELL WILLIAM S, et al
• [X] US 6193815 B1 20010227 - WADA HIROYUKI [JP], et al
• See references of WO 2009120431A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009120431 A1 20091001; CN 102144042 A 20110803; CN 102144042 B 20131030; EP 2265740 A1 20101229; EP 2265740 A4 20161116; JP 2011515587 A 20110519; JP 5214019 B2 20130619; TW 200942642 A 20091016; TW I388693 B 20130311; US 2009242081 A1 20091001

DOCDB simple family (application)
US 2009034457 W 20090219; CN 200980109254 A 20090219; EP 09725820 A 20090219; JP 2011501862 A 20090219; TW 98107298 A 20090306; US 5553908 A 20080326