

Title (en)

COMPOSITION AND PROCESS FOR TREATING THE SURFACE OF ALUMINIFEROUS METALS

Title (de)

ZUSAMMENSETZUNG UND VERFAHREN ZUR BEHANDLUNG ALUMINIUMHALTIGER OBERFLÄCHEN

Title (fr)

COMPOSITION ET PROCEDE DE TRAITEMENT DE LA SURFACE DE METAUX ALUMINEUX

Publication

EP 0754250 A4 19970611 (EN)

Application

EP 95914039 A 19950321

Priority

- JP 5377994 A 19940324
- JP 30763994 A 19941212
- US 9503192 W 19950321

Abstract (en)

[origin: WO9525831A1] An aqueous liquid composition that has a pH from 1 to 4.0 and comprises from 1 to 80 pbw (parts by weight) of phosphate ions, from 1 to 15 pbw stoichiometric equivalent as zirconium atoms from soluble zirconium compounds, from 3 to 100 pbw stoichiometric equivalent as fluorine atoms of soluble fluorides, and from 1 to 100 pbw of oxidant rapidly produces a very corrosion-resistant and highly paint-adherent coating on the surface of aluminiferous metals when contacted with them at 30 DEG C to 50 DEG C for 2 to 30 seconds, followed by a water rinse and drying by heating.

IPC 1-7

C23C 22/07; **C23C 22/36**

IPC 8 full level

B05D 7/14 (2006.01); **C23C 22/36** (2006.01)

CPC (source: EP)

C23C 22/361 (2013.01)

Citation (search report)

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- [X] EP 0411606 A2 19910206 - NIPPON PAINT CO LTD [JP]
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- [A] FR 2347459 A1 19771104 - AMCHEM PROD [US]
- [X] CHEMICAL ABSTRACTS, vol. 90, no. 26, 25 June 1979, Columbus, Ohio, US; abstract no. 208761q, NIHON PARKERIZING: "Surface treatment of Aluminum" page 303; XP002001672 & JP S5424232 A 19790223 - NIPPON PACKAGING KK
- See references of WO 9525831A1

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Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9525831 A1 19950928; AU 2120195 A 19951009; AU 684929 B2 19980108; BR 9507162 A 19970909; CA 2186025 A1 19950928; EP 0754250 A1 19970122; EP 0754250 A4 19970611; JP 2828409 B2 19981125; JP H07310189 A 19951128; MX PA96004196 A 20040819

DOCDB simple family (application)

US 9503192 W 19950321; AU 2120195 A 19950321; BR 9507162 A 19950321; CA 2186025 A 19950321; EP 95914039 A 19950321; JP 30763994 A 19941212; MX 9604196 A 19950321