

Title (en)

Pickling kit for aluminum substrates and method of pickling

Title (de)

Verfahren zum Beizen von Aluminium

Title (fr)

Procédé de décapage d'aluminium

Publication

EP 1126048 A3 20030502 (EN)

Application

EP 01103735 A 20010215

Priority

JP 2000036022 A 20000215

Abstract (en)

[origin: EP1126048A2] The present invention provides a pickling method for aluminum substrate which comprises supplementing, in the course of pickling of an aluminum substrate, a pickling agent with a solution (A) and a solution (B) to thereby uphold the formulated components within the above concentration ranges, said pickling agent containing 3000 to 50000 ppm of sulfuric acid, 100 to 5000 ppm of a surfactant, 50 to 3000 ppm of an oxidized metal ion or anion and 100 to 5000 ppm of nitric acid, said solution (A) containing 30 to 500 mass parts of sulfuric acid, 1 to 50 mass parts of a surfactant, 0.5 to 30 mass parts of an oxidized metal ion or anion and 30 to 500 parts of water, and said solution (B) containing 0.5 to 30 mass parts of nitric acid, 0.5 to 30 mass parts of an oxidizing agent and 10 to 300 mass parts of water.

IPC 1-7

C23G 1/12

IPC 8 full level

B08B 3/08 (2006.01); **C23G 1/12** (2006.01)

CPC (source: EP)

C23G 1/125 (2013.01)

Citation (search report)

- [X] EP 0196668 A1 19861008 - NIPPON PAINT CO LTD [JP]
- [DA] EP 0636711 A1 19950201 - NIPPON PAINT CO LTD [JP]
- [A] WO 9301332 A1 19930121 - HENKEL CORP [US]
- [A] WO 9638238 A1 19961205 - HENKEL CORP [US], et al
- [A] EP 0789094 A1 19970813 - NIPPON PAINT CO LTD [JP]

Cited by

FR2941241A1; CN106414664A; CN115475797A; US10465295B2; WO2005001162A1; WO2015179425A3

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