

Title (en)

AQUEOUS ACID CLEANING SOLUTION FOR ALUMINUM METAL AND METHOD FOR CLEANING THE METAL

Title (de)

WÄSSRIGE SÄURE REINIGUNGSLÖSUNG FÜR ALUMINIUM UND REINIGUNGSVERFAHREN

Title (fr)

SOLUTION AQUEUSE ET ACIDE SERVANT A NETTOYER DE L'ALUMINIUM ET METHODE DE NETTOYAGE AFFERENTE

Publication

**EP 0789094 A1 19970813 (EN)**

Application

**EP 95921156 A 19950612**

Priority

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- JP 25634694 A 19941021

Abstract (en)

An aqueous acid cleaning solution for aluminum metals which contains oxidized metal ions as an etching accelerator and does not contain hazardous fluorine and chromium ions. The solution contains an inorganic acid, oxidized metal ions, a chelate dispersant, if necessary a surfactant, and further an oxidizing agent for the metal ions reduced by cleaning. The dispersant has the effect of inhibiting the formation of a sludge from the oxidized metal, thus permitting the preparation of a sludge-free aqueous acid cleaning solution.

IPC 1-7

**C23G 1/12**; **C23F 1/20**

IPC 8 full level

**C23G 1/12** (2006.01)

CPC (source: EP KR)

**C23F 1/20** (2013.01 - KR); **C23G 1/12** (2013.01 - KR); **C23G 1/125** (2013.01 - EP)

Cited by

FR2941241A1; EP1126048A3; EP0976852A1; US6083896A; WO2005001162A1; WO2006072780A1; EP2671972B1

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DOCDB simple family (application)

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