

Title (en)

PROCESS FOR TREATING ALUMINIUM SURFACES

Publication

**EP 0167751 B1 19900718 (DE)**

Application

**EP 85105850 A 19850513**

Priority

US 61910584 A 19840611

Abstract (en)

[origin: US4502925A] A method for treating an aluminum sheet useful for lithography by etching said sheet in an aqueous bath containing up to about 25% of nitric and/or hydrochloric acids and from about 1% to about 25% of an inorganic fluorine containing acid or salt thereof. Said etching step is sequentially followed by electrochemical graining and anodizing process steps.

IPC 1-7

**B41N 1/08; C23F 1/20; C25D 11/04; C25F 3/04**

IPC 8 full level

**B41N 3/00** (2006.01); **B41N 3/03** (2006.01); **C23F 1/20** (2006.01); **C25D 11/04** (2006.01); **C25D 11/08** (2006.01); **C25D 11/16** (2006.01); **C25F 3/04** (2006.01)

CPC (source: EP US)

**B41N 3/034** (2013.01 - EP US); **C23F 1/20** (2013.01 - EP US); **C25D 11/04** (2013.01 - EP US); **C25D 11/06** (2013.01 - EP US); **C25F 3/04** (2013.01 - EP US)

Cited by

US8192556B2; WO2004035861A1; US10435806B2; US11591707B2

Designated contracting state (EPC)

CH DE FR GB LI NL SE

DOCDB simple family (publication)

**US 4502925 A 19850305**; AU 4280685 A 19851219; AU 584899 B2 19890608; BR 8502751 A 19860212; CA 1235380 A 19880419; DE 3578698 D1 19900823; EP 0167751 A1 19860115; EP 0167751 B1 19900718; JP S6110491 A 19860117

DOCDB simple family (application)

**US 61910584 A 19840611**; AU 4280685 A 19850523; BR 8502751 A 19850610; CA 482400 A 19850527; DE 3578698 T 19850513; EP 85105850 A 19850513; JP 12526585 A 19850611