

Title (en)

HOT ROLLING PROCESS FOR ROLLING ALUMINIUM AND ALUMINIUM ALLOYS SHEETS

Title (de)

WARMWALZVERFAHREN ZUM WALZEN VON ALUMINIUM UND ALUMINIUMLEGERUNGEN-BLECHEN

Title (fr)

PROCEDE DE LAMINAGE A CHAUD DE FEUILLES D'ALUMINIUM ET D'ALLIAGES D'ALUMINIUM

Publication

EP 1268719 A1 20030102 (EN)

Application

EP 01921275 A 20010207

Priority

- EP 01921275 A 20010207
- EP 0101374 W 20010207
- EP 00400351 A 20000208

Abstract (en)

[origin: EP1123967A1] The present invention relates to a water-soluble aluminium and aluminium alloys hot rolling composition comprising a base stock oil and, based on the total weight of the composition, from 1 to 80% by weight of di(2-ethylhexyl) adipate ester. The invention also relates to an oil-in-water emulsion, to a process for hot rolling aluminium and aluminium alloys and to the use of the oil-in-water emulsion in a hot rolling process.
<IMAGE>

IPC 1-7

C10M 129/72; C10M 111/02; C10M 173/00

IPC 8 full level

C10M 173/00 (2006.01); **C10M 101/02** (2006.01); **C10M 105/36** (2006.01); **C10M 111/02** (2006.01); **C10M 129/10** (2006.01); **C10M 129/40** (2006.01); **C10M 129/42** (2006.01); **C10M 129/72** (2006.01); **C10M 133/08** (2006.01); **C10M 137/04** (2006.01); **C10M 145/28** (2006.01); **C21D 1/58** (2006.01); **C10N 20/02** (2006.01); **C10N 40/24** (2006.01)

CPC (source: EP US)

C10M 129/72 (2013.01 - EP US); **C10M 173/00** (2013.01 - EP US); **C10M 2207/022** (2013.01 - EP US); **C10M 2207/126** (2013.01 - EP US); **C10M 2209/104** (2013.01 - EP US); **C10M 2215/042** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2030/24** (2020.05 - EP US); **C10N 2040/242** (2020.05 - EP US); **C10N 2040/245** (2020.05 - EP US)

Citation (search report)

See references of WO 0159040A1

Cited by

CN102757848A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1123967 A1 20010816; AT E276337 T1 20041015; AU 2001248310 B2 20050127; AU 4831001 A 20010820; BR 0108161 A 20030121; CA 2397841 A1 20010816; CN 1398291 A 20030219; DE 60105570 D1 20041021; DE 60105570 T2 20050929; EP 1268719 A1 20030102; EP 1268719 B1 20040915; JP 2003522279 A 20030722; US 2003164205 A1 20030904; WO 0159040 A1 20010816

DOCDB simple family (application)

EP 00400351 A 20000208; AT 01921275 T 20010207; AU 2001248310 A 20010207; AU 4831001 A 20010207; BR 0108161 A 20010207; CA 2397841 A 20010207; CN 01804600 A 20010207; DE 60105570 T 20010207; EP 0101374 W 20010207; EP 01921275 A 20010207; JP 2001558180 A 20010207; US 18249002 A 20021115