

Title (en)
Process for cleaning metal surfaces

Title (de)
Verfahren zur Reinigung von metallhaltigen Oberflächen

Title (fr)
Procédé de nettoyage des surfaces métalliques

Publication
EP 1775354 B1 20101117 (DE)

Application
EP 06019733 A 20060921

Priority
DE 102005050556 A 20051017

Abstract (en)
[origin: EP1775354A1] Method for cleaning parts made from aluminum or magnesium comprises contacting the parts with a first aqueous solution containing 0.2-0.5 % of a first composition made from an inorganic acid, two fatty alcohol-ethylene oxide-propylene oxide adducts (fatty alcohol-EO-PO) and a fatty alcohol ethoxylate and contacting the surface with a second aqueous solution containing 0.2-1.5 % of a second composition made from sodium hydroxide and phenol ethoxylate phosphate.

IPC 8 full level
C23G 1/12 (2006.01); **C11D 1/34** (2006.01); **C11D 1/825** (2006.01); **C11D 3/02** (2006.01); **C11D 11/00** (2006.01); **C23G 1/22** (2006.01); **C11D 1/72** (2006.01); **C11D 1/722** (2006.01)

CPC (source: EP)
C11D 1/345 (2013.01); **C11D 1/825** (2013.01); **C11D 3/042** (2013.01); **C11D 3/044** (2013.01); **C23G 1/00** (2013.01); **C23G 1/12** (2013.01); **C23G 1/125** (2013.01); **C23G 1/22** (2013.01); **C11D 1/72** (2013.01); **C11D 1/722** (2013.01); **C11D 2111/16** (2024.01); **C11D 2111/44** (2024.01)

Cited by
JP2021505773A

Designated contracting state (EPC)
AT BE BG CH CY CZ DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1775354 A1 20070418; **EP 1775354 B1 20101117**; AT E488620 T1 20101215; DE 102005050556 B3 20070322; DE 102005050556 B8 20070726

DOCDB simple family (application)
EP 06019733 A 20060921; AT 06019733 T 20060921; DE 102005050556 A 20051017