

Title (en)
WATER-MISCIBLE METALWORKING LUBRICANTS

Publication
EP 0217597 B1 19900919 (EN)

Application
EP 86307185 A 19860918

Priority
DE 3534226 A 19850926

Abstract (en)
[origin: EP0217597A2] Water-miscible metalworking lubricants containing formaldehyde-liberating compounds as biocides contain acidic organic phosphoric acid esters instead of conventional carboxylic acids in order to maintain prolonged biocide activity and also to reduce frothing upon dilution to aqueous emulsions or solutions.

IPC 1-7
C10M 173/00

IPC 8 full level
C10M 141/10 (2006.01); **C10M 173/00** (2006.01); **C10N 30/16** (2006.01); **C10N 40/20** (2006.01)

CPC (source: EP)
C10M 129/24 (2013.01); **C10M 137/04** (2013.01); **C10M 173/00** (2013.01); **C10M 2201/02** (2013.01); **C10M 2207/046** (2013.01); **C10M 2207/08** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/282** (2013.01); **C10M 2207/283** (2013.01); **C10M 2207/286** (2013.01); **C10M 2211/08** (2013.01); **C10M 2219/044** (2013.01); **C10M 2223/04** (2013.01); **C10M 2223/041** (2013.01); **C10M 2223/042** (2013.01); **C10M 2225/00** (2013.01); **C10M 2225/02** (2013.01); **C10M 2227/061** (2013.01); **C10N 2040/20** (2013.01); **C10N 2050/01** (2020.05)

Cited by
WO9744116A1; WO9813444A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0217597 A2 19870408; EP 0217597 A3 19880608; EP 0217597 B1 19900919; AT E56745 T1 19901015; DE 3534226 C1 19870423; DE 3674315 D1 19901025; JP S62104898 A 19870515

DOCDB simple family (application)
EP 86307185 A 19860918; AT 86307185 T 19860918; DE 3534226 A 19850926; DE 3674315 T 19860918; JP 21908986 A 19860917