

Title (en)
CLEANING OF ALUMINIUM SURFACES.

Title (de)
REINIGUNG VON ALUMINIUMOBERFLÄCHEN.

Title (fr)
NETTOYAGE DE SURFACES EN ALUMINIUM.

Publication
EP 0531360 B1 19950426 (DE)

Application
EP 91909835 A 19910523

Priority
• DE 4017667 A 19900601
• EP 9100961 W 19910523

Abstract (en)
[origin: WO9119018A1] The invention relates to fluoride-free, aqueous cleaning agents for aluminium surfaces of consumer articles and installations, in particular in the foodstuffs manufacturing and processing industry, and to a process for cleaning aluminium surfaces in foodstuffs manufacturing and processing, based on phosphoric acid and oxalic acid, in addition to water and possibly in addition to other constituents of cleaning agents for the foodstuffs industry known per se.

IPC 1-7
C23G 1/12; C23C 22/47

IPC 8 full level
C11D 7/08 (2006.01); **C11D 7/26** (2006.01); **C23C 22/47** (2006.01); **C23G 1/12** (2006.01)

CPC (source: EP)
C11D 7/08 (2013.01); **C11D 7/265** (2013.01); **C23G 1/125** (2013.01)

Cited by
CN104498967A

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

DOCDB simple family (publication)
WO 9119018 A1 19911212; AT E121806 T1 19950515; DE 4017667 A1 19911205; DE 59105333 D1 19950601; DK 0531360 T3 19950821; EP 0531360 A1 19930317; EP 0531360 B1 19950426; ES 2071313 T3 19950616

DOCDB simple family (application)
EP 9100961 W 19910523; AT 91909835 T 19910523; DE 4017667 A 19900601; DE 59105333 T 19910523; DK 91909835 T 19910523; EP 91909835 A 19910523; ES 91909835 T 19910523