Title (en)
Process for pickling stainless steel

Title (de)
Verfahren zum Beizen von Edelstahl

Title (fr)
Procédé de décapage d'acier inoxydable

Publication
EP 1013800 A3 20001115 (DE)

Application
EP 99123620 A 19991127

Priority
AT 212998 A 19981222

Abstract (en)
[origin: EP1013800A2] Chemical and/or electrochemical pickling of high grade steel is carried out in an acidic liquid that contains no nitric acid. Consumed electrolyte solution from electrochemical neutral salt pickling lines, preferably sodium sulphate pickling lines, is added.

IPC 1-7
C25F 1/06; C23G 1/08

IPC 8 full level
C23G 1/02 (2006.01); C23G 1/08 (2006.01); C25F 1/06 (2006.01)

CPC (source: EP KR US)
C23G 1/02 (2013.01 - KR); C23G 1/081 (2013.01 - EP US); C23G 1/086 (2013.01 - EP US); C25F 1/06 (2013.01 - EP US)

Citation (search report)
- [A] US 2564549 A 19510814 - STARGARDTER ALBERT R
- [A] US 2172041 A 19390905 - URBAN STEPHEN F
- [A] WO 9826111 A1 19980618 - SVILUPPO MATERIALI SPA [IT], et al
- [A] EP 0769575 A1 19970423 - NOVAMAX ITB S R L [IT]
- [A] WO 9303208 A1 19930218 - HOZER NORMAN R [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 339 (C - 1075) 28 June 1993 (1993-06-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 052 (C - 1158) 27 January 1994 (1994-01-27)

Cited by
CN107350744A; WO2017178154A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1013800 A2 20000628; EP 1013800 A3 20001115; EP 1013800 B1 20030813; AT 406486 B 20000525; AT A212998 A 19991015; AT E247182 T1 20030815; BR 9905932 A 20000912; CN 1195898 C 20050406; CN 1261630 A 20000802; DE 59906582 D1 20030918; KR 100562094 B1 20060317; KR 20000048256 A 20000725; US 6398876 B1 20020604; ZA 997788 B 20000630

DOCDB simple family (application)
EP 99123620 A 19991127; AT 212998 A 19981222; AT 99123620 T 19991127; BR 9905932 A 19991222; CN 99122945 A 19991221; DE 59906582 T 19991127; KR 19990059281 A 19991220; US 46737699 A 19991221; ZA 997788 A 19991221