

Title (en)
METHOD AND INSTALLATION FOR CLEANING PARTS

Publication
EP 0360866 B1 19930407 (FR)

Application
EP 88906221 A 19880329

Priority
SU 8800075 W 19880329

Abstract (en)
[origin: US5114496A] PCT No. PCT/SU88/00075 Sec. 371 Date Dec. 4, 1989 Sec. 102(e) Date Dec. 4, 1989 PCT Filed Mar. 29, 1988 PCT Pub. No. WO89/09099 PCT Pub. Date Oct. 5, 1989. The proposed method resides in that the surface of a workpiece is treated with a molten solvent which at first is crystallized at the surface of the workpiece and then is melted to result in a used solution which is cooled and settled to form two layers, viz., an upper layer containing petroleum products, light mechanical impurities and a quantity of the solvent, and a lower layer containing the solvent, heavy mechanical impurities and a quantity of petroleum products, after which petroleum products are separated from the upper layer, whereas, the crystals of the solvent are melted and added to the lower layer from which the solvent is separated and conveyed for cleaning the workpieces. An apparatus for carrying out the method comprises a system (12) for regenerating the used solution connected to a system (20) for separating constituents of the upper layer (18), and a system (21) for separating constituents of the lower layer (19).

IPC 1-7
B08B 3/08; C23G 5/00; C23G 5/028

IPC 8 full level
B08B 3/08 (2006.01); **C23G 5/00** (2006.01); **C23G 5/02** (2006.01); **C23G 5/028** (2006.01); **C23G 5/04** (2006.01)

CPC (source: EP US)
C23G 5/02 (2013.01 - EP US); **C23G 5/04** (2013.01 - EP US)

Citation (examination)
• US 3957672 A 19760518 - ZISMAN WILLIAM A, et al
• Ju.S.Kozlov et autres "Ochistka izdely v mashinostroenii", 1982, Mashinostroenie (Moscou), p.224

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EP0571246A1; FR2691168A1

Designated contracting state (EPC)
AT CH DE FR GB IT LI

DOCDB simple family (publication)
US 5114496 A 19920519; AT E87847 T1 19930415; AU 1982788 A 19891016; AU 618957 B2 19920116; BR 8807552 A 19900522; DE 3880136 D1 19930513; EP 0360866 A1 19900404; EP 0360866 A4 19900919; EP 0360866 B1 19930407; FI 895694 A0 19891128; IN 169338 B 19910928; JP H03502902 A 19910704; WO 8909099 A1 19891005

DOCDB simple family (application)
US 44572589 A 19891204; AT 88906221 T 19880329; AU 1982788 A 19880329; BR 8807552 A 19880329; DE 3880136 T 19880329; EP 88906221 A 19880329; FI 895694 A 19891128; IN 751CA1988 A 19880908; JP 50559988 A 19880329; SU 8800075 W 19880329