

Title (en)

METHOD AND INSTALLATION FOR CLEANING PARTS.

Title (de)

VORRICHTUNG UND VERFAHREN ZUR REINIGUNG VON STÜCKEN.

Title (fr)

PROCEDE ET INSTALLATION DE NETTOYAGE DE PIECES.

Publication

**EP 0360866 A1 19900404 (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).

Abstract (fr)

Le procédé consiste à traiter la surface de la pièce avec un mélange de solvant. On refroidit et on laisse reposer la solution utilisée de manière à former une couche supérieure contenant des produits huileux, des impuretés d'usinage légères et partiellement du solvant, ainsi qu'une couche inférieure contenant ledit solvant, des impuretés d'usinage lourdes et partiellement des produits huileux. On sépare les produits huileux de la couche supérieure, tandis que l'on mélange et que l'on ajoute les cristaux du solvant à la couche inférieure que l'on sépare ensuite du solvant et que l'on réutilise pour nettoyer les pièces. L'installation comprend un système (12) de régénération du solvant utilisé, relié à un système (20) de séparation des constituants de la couche supérieure (18), et à un système (21) de séparation des constituants de la couche inférieure.

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CPC (source: EP US)

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