

Title (en)

Process for cleaning metallic workpieces

Title (de)

Verfahren zum Reinigen von metallischen Werkstücken

Title (fr)

Procédé pour nettoyer des pièces métalliques

Publication

EP 0630992 B1 19970326 (DE)

Application

EP 94107093 A 19940506

Priority

DE 4317862 A 19930528

Abstract (en)

[origin: US5524652A] A method and an apparatus serve for treating workpieces with a treating liquid, in particular for cleaning metallic workpieces prior to a heat-treatment to be performed thereafter. The workpieces are introduced into a washing vessel. The washing vessel is then closed air-tight. A vacuum is then generated in the washing vessel. Further, a duct is opened between the washing vessel and a tank containing the treating liquid. For filling the washing vessel, the vacuum is adjusted to a level such that the treating liquid is drawn into the washing vessel under the action of the vacuum.

IPC 1-7

C23G 3/00; **B08B 3/04**

IPC 8 full level

B08B 3/04 (2006.01); **B08B 3/08** (2006.01); **C23G 1/00** (2006.01); **C23G 3/00** (2006.01); **C23G 5/00** (2006.01); **C23G 5/02** (2006.01)

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AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 5524652 A 19960611; AT E150804 T1 19970415; CZ 125794 A3 19941215; CZ 281080 B6 19960612; DE 4317862 A1 19941201; DE 59402199 D1 19970430; EP 0630992 A1 19941228; EP 0630992 B1 19970326; ES 2102724 T3 19970801; JP H07278859 A 19951024

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US 25016594 A 19940527; AT 94107093 T 19940506; CZ 125794 A 19940523; DE 4317862 A 19930528; DE 59402199 T 19940506; EP 94107093 A 19940506; ES 94107093 T 19940506; JP 12985694 A 19940520