

Title (en)

Method and apparatus for cleaning workpieces using air under pressure

Title (de)

Verfahren und Anlage zum Reinigen von Werkstücken mittels eines Druckluftstrahles

Title (fr)

Procédé et dispositif de nettoyage de pièces au moyen d'air sous pression

Publication

EP 0693325 B2 20020424 (DE)

Application

EP 95110775 A 19950711

Priority

DE 4425765 A 19940721

Abstract (en)

[origin: EP0693325A2] The workpieces (W) are moved through the cleaning process on an endless conveyor (12) passing through a cleaning chamber (18). High pressure air jets (30) in the chamber remove any loose debris from the workpieces with the return air flow passed back to the pump (34) via a mechanical filter (44) to remove particles. The cleaning chamber is divided into compartments by elastic bulkheads/shutters (20) to contain the debris. The contaminated air is collected and passed to the filter. Grease etc. can be loosened by steam jets in front of the air jets. Lost air is made up by a compressed air feed (48) between the filter and the pump. <IMAGE>

IPC 1-7

B08B 5/02

IPC 8 full level

B08B 5/02 (2006.01)

CPC (source: EP US)

B08B 5/02 (2013.01 - EP US); **B08B 5/023** (2013.01 - EP)

Citation (opposition)

Opponent :

DE 3710367 A1 19881013 - KLAUS BRANKAMP SYSTEM PROZESSA [DE]

Cited by

FR2759307A1; CN108051198A; US11542935B2; US7761956B2; WO03101634A1; US6497000B1; US6783603B2; US7011513B2

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