

Title (en)

Device and method for cleaning and/or drying treatment of parts

Title (de)

Behandlungsvorrichtung und Verfahren zur reinigenden und/oder trocknenden Behandlung von Werkstücken

Title (fr)

Dispositif et méthode pour le traitement par nettoyage et/ou séchage d'articles

Publication

EP 1640077 A2 20060329 (DE)

Application

EP 05017970 A 20050818

Priority

DE 102004046802 A 20040927

Abstract (en)

The cleaning device has workpiece holders (3) and a nozzle (4) mounted so that relative movement is possible between the nozzle outlet and the workpiece holder with a linear displacement in the direction of the rotational axis, a linear displacement perpendicular to the rotational axis, a swivel movement about an axis perpendicular to the rotational axis and a swivel movement about an axis parallel to the rotational axis. Independent claim describes method for treating or cleaning workpieces by moving the workpiece holder and/or nozzle so that a relative movement is possible between the nozzle outlet and workpiece holder in different motions.

IPC 8 full level

B08B 3/02 (2006.01); **B08B 3/06** (2006.01)

CPC (source: EP)

B08B 3/02 (2013.01); **B08B 3/024** (2013.01); **B08B 3/045** (2013.01); **B08B 3/06** (2013.01); **F26B 11/12** (2013.01); **F26B 21/004** (2013.01)

Citation (applicant)

- FR 2576532 A1 19860801 - PIVETTI GIULIANO [IT]
- EP 0507294 B1 19940817 - SCHWARZ ERNST MAFAC GMBH [DE]

Cited by

CN113639545A; CN113751390A; CN112108428A; DE102007026237B4; CN111229702A; CN113857153A; FR3019886A1; US2015292799A1; DE102007026237A1; US11318503B2; US11839904B2; US8006710B2; DE102013114043A1; EP1997568A1; EP3900850A1; CN113546894A; CN115156139A; WO2009144073A3; US9527116B2; CN103949425A; EP2853695A1; EP2130614A1; EP2130615A1; DE202012005750U1

Designated contracting state (EPC)

AT CH DE FR GB LI

DOCDB simple family (publication)

EP 1640077 A2 20060329; **EP 1640077 A3 20060419**; **EP 1640077 B1 20091007**; AT E444816 T1 20091015; DE 102004046802 B3 20060427; DE 502005008270 D1 20091119

DOCDB simple family (application)

EP 05017970 A 20050818; AT 05017970 T 20050818; DE 102004046802 A 20040927; DE 502005008270 T 20050818