

Title (en)
Vibrotumbling machine

Title (de)
Vibrations-Gleichschleifapparat

Title (fr)
Tonneau de polissage vibrant

Publication
EP 1658931 B1 20090617 (EN)

Application
EP 05257000 A 20051114

Priority
IT MI20042203 A 20041117

Abstract (en)
[origin: EP1658931A1] Vibrotumbling machine (10) in particular for inner surfaces of a manufactured product (18) by means of an abrasive mix comprising several elements of not particularly hard material, abrasive particles, water and additives, the machine (10) comprises vibrating means (20,30) to cause a relative movement between the various elements of the abrasive mix and the manufactured product (18) in order to obtain a surface processing of the same, the vibrating means are associated with the manufactured product (18) to make it vibrate directly, thus obtaining the surface processing of the same. The machine (10) comprises pressure means for obtaining a forced flow of the abrasive mix with respect to the manufactured product (18), in particular for obtaining a forced flow inside at least one cavity of the manufactured product (18).

IPC 8 full level
B24B 31/00 (2006.01); **B24B 31/06** (2006.01); **B24B 31/116** (2006.01)

CPC (source: EP)
B24B 31/003 (2013.01); **B24B 31/006** (2013.01); **B24B 31/116** (2013.01)

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

DOCDB simple family (publication)
EP 1658931 A1 20060524; EP 1658931 B1 20090617; CN 1775475 A 20060524; CN 1775475 B 20120111; DE 602005014924 D1 20090730; IT MI20042203 A1 20050217; JP 2006142475 A 20060608; JP 5122739 B2 20130116

DOCDB simple family (application)
EP 05257000 A 20051114; CN 200510125480 A 20051117; DE 602005014924 T 20051114; IT MI20042203 A 20041117; JP 2005320292 A 20051104