

Title (en)

ROTARY TYPE POWDER COMPRESSION MOLDING MACHINE

Title (de)

SPRITZPRÄGEMASCHINE MIT DREHTISCH FÜR PUDERFÖRMIGE MATERIALIEN

Title (fr)

MACHINE DE MOULAGE PAR COMPRESSION DE POUDRE, DU TYPE ROTATIF

Publication

EP 1179414 A4 20050713 (EN)

Application

EP 00917335 A 20000417

Priority

- JP 0002507 W 20000417
- JP 11060799 A 19990419

Abstract (en)

[origin: EP1179414A1] In a rotary compression molding machine for powder material, a rotary table 3 is rotatably arranged in a frame 1 through an upright shaft 2, a die 4 having a die hole 41 is arranged on the rotary table 3, an upper punch 5 and a lower punch 6 are kept above and below the die 4 in a condition of vertically slidable and powder material filled in the die hole 41 is compressed and molded between a lower face 5a of the upper punch 5 and the upper face 6a of the lower punch 6 by pushing the upper punch 5 and the lower punch 6 so as to approach each other with their tips inserted into the die hole 41, and provided with a device LS for spraying small amounts of liquid which sprays small amounts of liquid lubricant L generally evenly on the lower face 5a of the upper punch 5, the upper face 6a of the lower punch 6 and an inner face 41a of the die 4 prior to compression for molding. <IMAGE>

IPC 1-7

B30B 11/08; A61J 3/10; B30B 15/00

IPC 8 full level

B30B 11/08 (2006.01); **B30B 15/00** (2006.01)

CPC (source: EP)

B30B 11/08 (2013.01); **B30B 15/0011** (2013.01)

Citation (search report)

- [X] US 4758142 A 19880719 - VOSS GUNTHER M [DE], et al
- [X] US 4323530 A 19820406 - VOSS GUENTHER, et al
- See references of WO 0063006A1

Cited by

DE102016123279A1; DE102016123279B4; DE102008002311B4; DE10212959A1; EP2095806A4; CN108127966A; JP2018089686A; US10967597B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1179414 A1 20020213; **EP 1179414 A4 20050713**; AU 3838800 A 20001102; CA 2367406 A1 20001026; WO 0063006 A1 20001026

DOCDB simple family (application)

EP 00917335 A 20000417; AU 3838800 A 20000417; CA 2367406 A 20000417; JP 0002507 W 20000417