

Title (en)
Apparatus for generating vibrations

Title (de)
Rüttelantrieb

Title (fr)
Dispositif d'obtention de vibrations

Publication
EP 1080858 A3 20021113 (DE)

Application
EP 00114460 A 20000706

Priority
DE 19940119 A 19990824

Abstract (en)
[origin: EP1080858A2] The drive has at least one piezoelectric vibration stimulator (9) with a piezoelement mounted in a housing of the stimulator so as to be able to vibrate. The piezoelement has a drive connection to an imbalance wt. mounted so as to be free to vibrate in the housing of the stimulator. The housing is a mounted on a mould (3), a vibrating table or another part to be set vibrating.

IPC 1-7
B28B 1/08; **B28B 3/02**; **B06B 1/06**; **B28B 1/087**

IPC 8 full level
B06B 1/16 (2006.01); **B28B 1/087** (2006.01); **B28B 3/02** (2006.01)

CPC (source: EP US)
B06B 1/16 (2013.01 - EP US); **B28B 1/0873** (2013.01 - EP US); **B28B 3/022** (2013.01 - EP US)

Citation (search report)
• [X] US 5837298 A 19981117 - FACE JR SAMUEL A [US], et al
• [A] CH 664708 A5 19880331 - HEINRICH BLASER
• [A] US 2799071 A 19570716 - SCHENK ROBERT E
• [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 174 (M - 490) 19 June 1986 (1986-06-19)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12 31 October 1998 (1998-10-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 373 (M - 861) 18 August 1989 (1989-08-18)

Cited by
CN112476720A; DE10351177A1; DE10351177B4

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)
US 6402499 B1 20020611; AT E341430 T1 20061015; CA 2316455 A1 20010224; CA 2316455 C 20080708; DE 19940119 A1 20010301; DE 50013543 D1 20061116; DK 1080858 T3 20061211; EP 1080858 A2 20010307; EP 1080858 A3 20021113; EP 1080858 B1 20061004; ES 2270763 T3 20070416

DOCDB simple family (application)
US 64465100 A 20000824; AT 00114460 T 20000706; CA 2316455 A 20000818; DE 19940119 A 19990824; DE 50013543 T 20000706; DK 00114460 T 20000706; EP 00114460 A 20000706; ES 00114460 T 20000706