

Title (en)
Apparatus for generating vibrations for a mould

Title (de)
Rüttelantrieb für eine Form

Title (fr)
Dispositif de production de vibrations pour moule

Publication
EP 1050393 A3 20021113 (DE)

Application
EP 00107426 A 20000406

Priority
• DE 19921145 A 19990507
• US 56403500 A 20000504

Abstract (en)
[origin: EP1050393A2] The shaking drive has at least one piezoelectric oscillation generator (10) with a stationary part (11) secured to a machine frame (2) and an oscillating part (9) attached to a shaking table (8) on which the concrete mould (6) is supported.

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

IPC 8 full level
B28B 1/087 (2006.01); **B28B 3/02** (2006.01); **H02N 2/00** (2006.01)

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

Citation (search report)
• [Y] JP S60177897 A 19850911 - NIPPON TELEGRAPH & TELEPHONE
• [YD] DE 3837686 A1 19900510 - BAYER WILLI [DE]
• [Y] US 4830597 A 19890516 - STEIER KLAUS F [DE], et al
• [A] DE 19705893 A1 19980820 - WASMUTH THOMAS DIPL ING [DE], et al
• [A] SU 1224141 A1 19860415 - YAROSLAVSKIJ POLT INII BETONA [SU]
• [A] EP 0896866 A2 19990217 - KOBRA FORMEN & ANLAGENBAU GMBH [DE]
• [XY] PATENT ABSTRACTS OF JAPAN vol. 010, no. 174 (M - 490) 19 June 1986 (1986-06-19)
• [Y] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05 30 April 1998 (1998-04-30)
• [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12 31 October 1998 (1998-10-31)
• [X] PATENT ABSTRACTS OF JAPAN vol. 013, no. 373 (M - 861) 18 August 1989 (1989-08-18)

Cited by
CN111673870A; CN101941234A; DE102006018810A1; CN103302723A; 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)
EP 1050393 A2 20001108; **EP 1050393 A3 20021113**; **EP 1050393 B1 20070926**; AT E374096 T1 20071015; CA 2305483 A1 20001107; DE 19921145 A1 20001109; DE 19921145 B4 20080110; DE 50014669 D1 20071108; DK 1050393 T3 20071119; ES 2289981 T3 20080216; US 6342750 B1 20020129

DOCDB simple family (application)
EP 00107426 A 20000406; AT 00107426 T 20000406; CA 2305483 A 20000417; DE 19921145 A 19990507; DE 50014669 T 20000406; DK 00107426 T 20000406; ES 00107426 T 20000406; US 56403500 A 20000504