Title (en)

METHOD AND PUNCH FOR PERFORATING CEMENTITIOUS TILES AND SO OBTAINED CEMENTITIOUS TILES

Title (de)

VERFAHREN UND STEMPEL ZUM LOCHSTANZEN VON ZEMENTPLATTEN UND DANACH BZW. DAMIT HERGESTELLTE PLATTE

Title (fr)

PROCEDE ET POINCON DE PERFORATION DE CARREAUX A BASE DE MATERIAU CIMENTAIRE ET CARREAUX AINSI OBTENUS

Publication

EP 1024935 A1 20000809 (EN)

Application

EP 98915017 A 19980409

Priority

- GB 9801042 W 19980409
- GB 9707372 A 19970411

Abstract (en)

[origin: GB2324262A] A cementitious tile 60 is perforated using a punch 10 of elongate section having a leading face 16 with a saw tooth profile along its length. The punch may also be used to produce indentations which look like perforations when in situ. Circular punches also having a saw tooth profile may be used. The tooth depth is preferable less than 2mm and the included angle of the tooth profile between 90# and 150#. The punches are arranged on a punch plate (20 Fig 4).

IPC 1-7

B26F 1/24; B26F 1/14; B28B 11/08; B28B 11/12; B28B 19/00; G01N 21/88; G01B 11/12

IPC 8 full level

B26F 1/14 (2006.01); **B26F 1/24** (2006.01); **B28B 11/12** (2006.01); **E04B 1/86** (2006.01); **E04B 9/04** (2006.01); E04B 1/84 (2006.01)

CPC (source: EP KR)

B26F 1/14 (2013.01 - EP); **C04B 28/02** (2013.01 - KR); **E04B 1/86** (2013.01 - EP); **E04B 9/045** (2013.01 - EP); **E04B 9/0464** (2013.01 - EP); E04B 2001/8461 (2013.01 - EP); E04B 2001/848 (2013.01 - EP)

Cited by

CN102059720A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

GB 2324262 A 19981021; **GB 2324262 B 20010207**; **GB 9807775 D0 19980610**; AR 012359 A1 20001018; AU 6930698 A 19981111; AU 737435 B2 20010816; BR 9808519 A 20000523; CA 2283783 A1 19981022; EP 1024935 A1 20000809; GB 9707372 D0 19970528; HU P0002193 A2 20001128; HU P0002193 A3 20010228; ID 21313 A 19990520; JP 2002511026 A 20020409; KR 20010006236 A 20010126; NO 994953 D0 19991011; NO 994953 L 19991213; NZ 337767 A 20010330; PE 34399 A1 19990409; PL 336095 A1 20000605; SK 139399 A3 20000612; TW 408059 B 20001011; WO 9846401 A1 19981022; ZA 982990 B 19981013

DOCDB simple family (application)

GB 9807775 A 19980409; AR P980101592 A 19980407; AU 6930698 A 19980409; BR 9808519 A 19980409; CA 2283783 A 19980409; EP 98915017 A 19980409; GB 9707372 A 19970411; GB 9801042 W 19980409; HU P0002193 A 19980409; ID 980552 A 19980413; JP 54360198 A 19980409; KR 19997009318 A 19991009; NO 994953 A 19991011; NZ 33776798 A 19980409; PE 00026898 A 19980408; PL 33609598 A 19980409; SK 139399 A 19980409; TW 87105439 A 19980410; ZA 982990 A 19980408