

Title (en)

Machine for cutting/separating flat pieces of ceramic and the like

Title (de)

Maschine zum Schneiden und Separieren von flachen keramischen Werkstücken und dergleichen

Title (fr)

Machine pour le découpage et la séparation des pièces céramiques plates et similaires

Publication

EP 0592345 B1 19981202 (EN)

Application

EP 93500119 A 19930804

Priority

- ES 9201661 A 19920807
- ES 9202535 A 19921215
- ES 9202547 A 19921217

Abstract (en)

[origin: EP0592345A2] It comprises a sliding support (1) bearing a tool (2) for marking the flat ceramic piece (3) with a groove (25), and a mechanism (4) for separating said piece (3) into two parts, said mechanism forming an integral part of the sliding support (1) and being actuated by the same lever (6) which is used to actuate said tool. The cutting tool (2) is mounted on a shaft (30) comprising a projection (31) on the sliding support (1) and a recess (32) in said shaft (30), said projection (31) and said recess (32) being mutually coupled to position the shaft (30) relative to the sliding support (1). It also comprises a fixed stop rule (108), an element (109) which can be moved linearly along a guide, a rotating element (110) connected to said element (109), and a fixed sector (111), graduated in angles, relative to which moves the rotating element (110), said element (110) comprising the guide (112) along which moves the element (109), the latter being graduated along its length. The cutting and separating of the piece is made easier, the correct positioning of the cutting tool is ensured, and it is possible to make repeated, accurate cuts at any angle. <IMAGE>

IPC 1-7

B28D 1/22

IPC 8 full level

B28D 1/22 (2006.01)

CPC (source: EP)

B28D 1/225 (2013.01)

Cited by

US2018093393A1; EP0743150A1; EP1072371A3; CN106132651A; US5598637A; CN106091928A; ITMI20090187A1; CN114290385A; FR2891762A1; CN109109179A; US2023021293A1; CN100446948C; EP3047947A4; CN107379284A; CN107618116A; EP1361032A1; CN102126258A; CN107877714A; EP0965422A1; FR2779677A1; US5560274A; ES2342244A1; JP2018508387A; US10232527B2; WO2016207738A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0592345 A2 19940413; EP 0592345 A3 19940817; EP 0592345 B1 19981202; AT E173971 T1 19981215; DE 69322359 D1 19990114; DE 69322359 T2 19990602; DK 0592345 T3 19990816; GR 3029368 T3 19990528

DOCDB simple family (application)

EP 93500119 A 19930804; AT 93500119 T 19930804; DE 69322359 T 19930804; DK 93500119 T 19930804; GR 990400455 T 19990210