

Title (en)
METHOD FOR THE PRODUCTION OF MOLDED CONCRETE PIECES

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON FORMLINGEN AUS BETON

Title (fr)
DISPOSITIF POUR PRODUIRE DES PIECES MOULEES EN BETON

Publication
EP 1663596 A1 20060607 (DE)

Application
EP 04765474 A 20040922

Priority
• EP 2004010602 W 20040922
• DE 10344194 A 20030922

Abstract (en)
[origin: WO2005030455A1] The invention relates to a device for producing molded concrete pieces, particularly concrete building bricks (10), hollow concrete elements, or similar. Said device comprises a mold frame (21) that is provided with at least one mold cavity (14) into which concrete can be filled. The mold cavity (14) is laterally delimited by vertical mold walls (15, 16) of the mold frame (21). At least one scraping member (22) by means of which concrete can be scraped off an exterior face of the molded piece so as to form a rough surface is associated with the mold cavity (14). Said scraping process preferably takes place during an upward movement of the mold frame (21) when the molded pieces are removed from the mold. According to the invention, the scraping member (22) is provided with an exterior surface (24) that is at least partly curved from a cross-sectional perspective on a side facing the molded piece. Preferably, said exterior surface (24) is embodied in a continuously curved manner, the curve having a constant radius. The concrete building bricks (10) produced in said fashion are provided with a rough surface in the area of vertical sides (13), said rough surface being of special quality and being configured in a particularly uniform manner.

IPC 1-7
B28B 7/10; B28B 11/12

IPC 8 full level
B28B 7/00 (2006.01)

CPC (source: EP US)
B28B 7/0061 (2013.01 - EP US); **B28B 7/007** (2013.01 - EP US)

Citation (search report)
See references of WO 2005030455A1

Citation (examination)
• US 2003164574 A1 20030904 - HAMMER JAMES [US], et al
• US 6464199 B1 20021015 - JOHNSON JAY JEFFREY [US]

Cited by
CN103552147A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005030455 A1 20050407; DE 10344194 A1 20050421; EP 1663596 A1 20060607; US 2007272823 A1 20071129;
ZA 200603182 B 20070131

DOCDB simple family (application)
EP 2004010602 W 20040922; DE 10344194 A 20030922; EP 04765474 A 20040922; US 57262904 A 20040922; ZA 200603182 A 20060420