

Title (en)
Process and installation for automatic production of hollow bodies out of a mixture

Title (de)
Verfahren und Anlage zur automatisierten Herstellung von Hohlkörpern aus Mischgut

Title (fr)
Procédé et dispositif de fabrication automatique de corps creux à partir d'un mélange

Publication
EP 1136213 A3 20030604 (DE)

Application
EP 01101147 A 20010122

Priority
DE 10013824 A 20000321

Abstract (en)
[origin: DE10013824C1] The manufacturing method has fresh concrete supplied to a mold space between a mold core (10) and a mold mantle (9), with uniform distribution of the concrete, compression via vibration and formation of an upper centering end by pressing an upper cuff into the concrete column. The obtained molded concrete body is removed from the mold by vertical extraction and transported to a drying station. The mold components are assembled at a pre-assembly station before transfer to the molding station, with automatic separation of mold components at the molding station dependent on the molding requirements and subsequent re-assembly before transfer from the molding station. An Independent claim for a hollow concrete component manufacturing plant is also included.
[origin: DE10013824C1] The manufacturing method has fresh concrete supplied to a mold space between a mold core (10) and a mold mantle (9), with uniform distribution of the concrete, compression via vibration and formation of an upper centering end by pressing an upper cuff into the concrete column. The obtained molded concrete body is removed from the mold by vertical extraction and transported to a drying station. The mold components are assembled at a pre-assembly station before transfer to the molding station, with automatic separation of mold components at the molding station dependent on the molding requirements and subsequent re-assembly before transfer from the molding station. An independent claim for a hollow concrete component manufacturing plant is also included.

IPC 1-7
B28B 7/00; **B28B 21/82**; **B28B 17/00**

IPC 8 full level
B28B 7/00 (2006.01); **B28B 17/00** (2006.01); **B28B 21/14** (2006.01); **B28B 21/82** (2006.01)

CPC (source: EP US)
B28B 7/0014 (2013.01 - EP US); **B28B 17/009** (2013.01 - EP US); **B28B 21/14** (2013.01 - EP US); **B28B 21/82** (2013.01 - EP US)

Citation (search report)
• [X] DE 3803637 A1 19890817 - PRINZING GEORG GMBH CO KG [DE]
• [DA] WO 9857786 A1 19981223 - PEDERSHAAB AS [DK], et al
• [A] FR 989845 A 19510913
• [A] DATABASE WPI Section PQ Week 197720, Derwent World Patents Index; Class P64, AN 1977-E1550Y, XP002234622
• [A] DATABASE WPI Section PQ Week 198642, Derwent World Patents Index; Class P64, AN 1986-277683, XP002234623

Cited by
CN105171912A; WO03086723A1

Designated contracting state (EPC)
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