

Title (en)  
AN EXTRUSION MACHINE

Publication  
**EP 0080333 B1 19870204 (EN)**

Application  
**EP 82306152 A 19821118**

Priority  
US 32364881 A 19811120

Abstract (en)  
[origin: EP0080333A2] An extrusion machine for making elongated articles of concrete by forcing the concrete through a mold, the article having a relatively large core, has a rotatable spiral conveyor (20, 22) which extends longitudinally of the mold (26) and moves the concrete through the mold. Non-rotatable forming elements (28, 30, 32) in the mold (26) form the internal cavity, which elements are positioned immediately downstream of the conveyor with their lower edge not more than 10% of the forming element below the lower edge of the conveyor. The lower edge and lower side of the forming elements (28, 30, 32) are free of any substantial ramp, and a ramp (34) on the first forming element (28) extends upwardly from the downstream end of the conveyor (20, 22). The conveyor forces the concrete over the forming elements to form the concrete article, and the machine is moved forwardly by reaction as the concrete is forced against the molded concrete.

IPC 1-7  
**B28B 1/08**; **B28B 3/22**

IPC 8 full level  
**B28B 3/22** (2006.01); **B28B 1/08** (2006.01)

CPC (source: EP KR)  
**B28B 1/084** (2013.01 - EP); **B28B 3/22** (2013.01 - KR); **B28B 3/224** (2013.01 - EP); **B28B 3/228** (2013.01 - EP)

Cited by  
CN103158190A; EP0968799A1; US4718838A; CN103171030A; GB2324980A; GB2324980B; US8506230B2; WO03103913A1; WO0114114A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0080333 A2 19830601**; **EP 0080333 A3 19841017**; **EP 0080333 B1 19870204**; AT E25349 T1 19870215; AU 539819 B2 19841018; AU 9071182 A 19830526; CA 1193834 A 19850924; DE 3275360 D1 19870312; DK 158073 B 19900326; DK 158073 C 19900820; DK 518082 A 19830521; EG 15859 A 19861230; FI 71088 B 19860814; FI 71088 C 19900213; FI 821813 A0 19820521; FI 821813 A 19830521; IE 53675 B1 19890104; IE 822664 L 19830520; IN 157614 B 19860503; JP S58131020 A 19830804; JP S6315122 B2 19880404; KR 840002290 A 19840625; KR 860001642 B1 19861015; MX 157583 A 19881202; NO 157289 B 19871116; NO 157289 C 19880224; NO 823868 L 19830524

DOCDB simple family (application)  
**EP 82306152 A 19821118**; AT 82306152 T 19821118; AU 9071182 A 19821118; CA 416082 A 19821122; DE 3275360 T 19821118; DK 518082 A 19821119; EG 67982 A 19821116; FI 821813 A 19820521; IE 266482 A 19821108; IN 1354CA1982 A 19821119; JP 20354982 A 19821119; KR 820005217 A 19821118; MX 19526082 A 19821119; NO 823868 A 19821118