

Title (en)
Method for tubular profile extrusion

Title (de)
Verfahren zum Strangpressen von Rohrprofilen

Title (fr)
Procédé d'extrusion de profilés tubulaires

Publication
EP 1203623 B1 20050330 (DE)

Application
EP 00810711 A 20000809

Priority
EP 00810711 A 20000809

Abstract (en)
[origin: US2002038564A1] The invention relates to an extrusion tool for an extrusion press for manufacturing seamless, eccentric pipe sections (12)-in particular pipe sections with circular outer and inner contours-from extrusion blocks (2), in particular from extrusion billets. The extrusion tool contains a container (3) with a chamber (4) with longitudinal axis MR which accommodates the extrusion block, an extrusion stem (5) which is introduced into the container chamber, and features an dummy block (6), a mandrel arm (16) with longitudinal axis MD forming the inner wall of the pipe-section, and a die (8) with an opening (9) with longitudinal axis MM forming the outer wall of the pipe section, whereby the mandrel arm (16) is arranged such that it can be pushed out of the dummy block (6) through the extrusion block (2) up to or into the die opening (9), and the mandrel arm (16) in the position for extrusion is arranged eccentric in cross-section with respect to the container chamber (4) and the die opening (9) and the die opening (9) is arranged eccentric in cross-section with respect to the container chamber (4).

IPC 1-7
B21C 23/08; **B21C 23/12**

IPC 8 full level
B21C 23/08 (2006.01); **B21C 37/15** (2006.01)

CPC (source: EP US)
B21C 23/085 (2013.01 - EP US); **B21C 37/155** (2013.01 - EP US)

Cited by
WO2015113541A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
US 2002038564 A1 20020404; **US 6581431 B2 20030624**; CA 2354241 A1 20020209; DE 50009928 D1 20050504; EP 1203623 A1 20020508; EP 1203623 B1 20050330

DOCDB simple family (application)
US 92592401 A 20010809; CA 2354241 A 20010727; DE 50009928 T 20000809; EP 00810711 A 20000809