

Title (en)

METHOD FOR MANUFACTURING MOULDS FOR CONTINUOUS-CASTING MACHINES

Publication

EP 0243789 A3 19890712 (DE)

Application

EP 87105533 A 19870414

Priority

- DE 3615004 A 19860502
- DE 3615079 A 19860503

Abstract (en)

[origin: EP0243789A2] To produce open-ended moulds for continuous-casting machines by means of a mandrel and die, a piece (1;4) of tube as preliminary material is removed from a tube store (SR) and, within one work system, the end of the piece (1;4) of tube is rounded off, the mandrel (3;9;10) is introduced into the piece (1;4) of tube, the tube is calibrated on the mandrel (3;9;10), the mandrel (3;9;10) is removed from the piece (1;4) of tube and brought back into its starting or working position and the calibrated tube (1') is taken for further processing and/or checking and/or packing. <IMAGE>

IPC 1-7

B22D 11/04

IPC 8 full level

B21C 1/26 (2006.01); **B21D 9/05** (2006.01); **B22D 11/04** (2006.01); **B22D 11/057** (2006.01)

CPC (source: EP US)

B22D 11/057 (2013.01 - EP US)

Citation (search report)

- [X] GB 2151162 A 19850717 - TUBI ITALIA SPA
- [Y] GB 2156719 A 19851016 - KABEL METALLWERKE GHH
- [Y] GB 1189135 A 19700422 - BATTELLE DEVELOPMENT CORP [US]
- [AD] EP 0060820 A1 19820922 - SANTRADE LTD [CH]
- [A] GB 2160808 A 19860102 - OUTOKUMPU OY
- [AD] DE 2154226 A1 19730503 - KABEL METALLWERKE GHH

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0243789 A2 19871104; EP 0243789 A3 19890712; EP 0243789 B1 19920819; BR 8702153 A 19880209; CA 1299838 C 19920505; DE 3781194 D1 19920924; FI 871891 A0 19870429; FI 871891 A 19871103; FI 91131 B 19940215; FI 91131 C 19940525; IN 168961 B 19910727; JP 2587054 B2 19970305; JP S62275526 A 19871130; US 5018378 A 19910528

DOCDB simple family (application)

EP 87105533 A 19870414; BR 8702153 A 19870430; CA 536264 A 19870504; DE 3781194 T 19870414; FI 871891 A 19870429; IN 354CA1987 A 19870430; JP 10648287 A 19870501; US 4612887 A 19870504