

Title (en)

METHOD OF RECALIBRATING A WORN CONICAL TUBE, ESPECIALLY A CURVED TUBULAR MOULD FOR CONTINUOUS CASTING

Publication

EP 0023034 B1 19830302 (DE)

Application

EP 80104173 A 19800717

Priority

CH 676879 A 19790720

Abstract (en)

[origin: CA1166423A] A worn conical tubular mold, exhibiting irreparable surface flaws or defects at the inner tubular wall of the mold at the location of the former region of the molten bath level existing in the tubular mold when the same was previously used during continuous casting, is formed or reformed through the use of an explosive forming technique with the aid of a calibration arbor or mandril so as to possess a new reversed taper. As a result, the surface flaw or defect now is located at the region of what becomes the new strand outlet of the reformed tubular mold and unimpaired, fissure-free mold wall material comes to lie at the region of the tubular mold where there will appear the new molten bath level when the reformed tubular mold then is again used for casting purposes.

IPC 1-7

B22D 11/04; **B21D 26/08**

IPC 8 full level

B22D 11/04 (2006.01); **B21D 26/08** (2006.01); **B22D 11/057** (2006.01)

CPC (source: EP US)

B21D 26/08 (2013.01 - EP US); **B22D 11/057** (2013.01 - EP US); **Y10T 29/49748** (2015.01 - EP US); **Y10T 29/49806** (2015.01 - EP US)

Cited by

EP1317979A1

Designated contracting state (EPC)

AT BE DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0023034 A1 19810128; **EP 0023034 B1 19830302**; AT E2654 T1 19830315; BR 8004441 A 19810127; CA 1166423 A 19840501; CH 638411 A5 19830930; DE 3062204 D1 19830407; JP S5617123 A 19810218; JP S626899 B2 19870214; US 4457151 A 19840703

DOCDB simple family (application)

EP 80104173 A 19800717; AT 80104173 T 19800717; BR 8004441 A 19800717; CA 356292 A 19800716; CH 676879 A 19790720; DE 3062204 T 19800717; JP 9884180 A 19800721; US 34509082 A 19820202