

Title (en)
DUMMY BAR FOR CONTINUOUS CASTING PLANTS

Publication
EP 0355393 B1 19930331 (DE)

Application
EP 89113111 A 19890718

Priority
DE 3827582 A 19880813

Abstract (en)
[origin: JPH0289543A] PURPOSE: To provide a dummy bar which has recessed parts at the position corresponding to the projections of free projecting parts on a flexible sheet and is suitable to the continuous casting apparatus for thin band steel having small radius of curvature and can execute the stable operation and has simple structure. CONSTITUTION: The dummy bar 1 has the flexible plate 2 composed of spring steel and a dummy bar head 3 is fixed to one end of the plate 2. Further, the plate 2 is fixed to a slit 3a of the head 3. Then, in the plate 2, recessed parts 4-7 disposed in four rows in the longitudinal direction, is provided and the adjacent two rows of the recessed parts 4, 5 and 6, 7 have mutually shifted pitch, and in the interval between the recessed parts, rectangular contacting members 8 at each side of the plate 2 are fixed. Further, the members 8 are projected so as to exceed the recessed parts 4-7 with the projecting parts 10 and thereat, mutually supported with an intermediate plates 11. In the above constitution, even in the case of the inner part of a strand guiding part having small radius of curvature, the dummy bar 1 can freely be suited to this strand by guiding the projecting parts 10, 10a without touching in the inner part of this recessed part.

IPC 1-7
B22D 11/08

IPC 8 full level
B22D 11/08 (2006.01)

CPC (source: EP US)
B22D 11/081 (2013.01 - EP US)

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

DOCDB simple family (publication)
EP 0355393 A2 19900228; EP 0355393 A3 19910410; EP 0355393 B1 19930331; AT E87518 T1 19930415; CA 1329976 C 19940607; DE 3827582 A1 19900215; DE 58903936 D1 19930506; ES 2039767 T3 19931001; JP H0289543 A 19900329; US 4926929 A 19900522

DOCDB simple family (application)
EP 89113111 A 19890718; AT 89113111 T 19890718; CA 608313 A 19890814; DE 3827582 A 19880813; DE 58903936 T 19890718; ES 89113111 T 19890718; JP 20704489 A 19890811; US 39072489 A 19890808