

Title (en)

CASTING APPARATUS AND TUBULAR MOULD FOR THE CONTINUOUS CASTING OF THIN-WALLED IRON TUBES

Publication

EP 0088980 B1 19860423 (FR)

Application

EP 83102221 A 19830307

Priority

FR 8204195 A 19820312

Abstract (en)

[origin: ES8401347A1] The die (6) comprises a thick cylindrical body (7) which is surrounded by a cooling jacket (15) clamped against the pouring basin (2) and in contact with the latter in a plane (P). The body (7) is extended in the casting orifice (4) by a composite head (17) comprising a thin inner annular lip (22), whereof the inner surface extends that of the body (7) and a ring (24) of refractory material fitted between the lip, the body and the casting orifice. The (hot) lip (22) is connected to the body (7) in the plane (P), so that the ring (24) rejoins it also in this plane and that the flow of heat (f1) passing from the casting orifice to the cooling jacket must skirt around this ring.

IPC 1-7

B22D 11/04; **B22D 11/00**

IPC 8 full level

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CPC (source: EP KR US)

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AT BE CH DE IT LI NL SE

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EP 0088980 A1 19830921; **EP 0088980 B1 19860423**; AT E19363 T1 19860515; AU 1193783 A 19830915; AU 554716 B2 19860828; BE 896139 A 19830912; BR 8301236 A 19831122; CA 1201868 A 19860318; CH 654503 A5 19860228; CZ 279230 B6 19950215; DD 208564 A5 19840404; DE 3363143 D1 19860528; EG 15354 A 19860630; ES 520523 A0 19831216; ES 8401347 A1 19831216; FR 2523006 A1 19830916; FR 2523006 B1 19840427; GB 2116466 A 19830928; GB 2116466 B 19860403; GB 8303711 D0 19830316; HR P930747 B1 19960430; IN 158610 B 19861220; IT 1159367 B 19870225; IT 8353050 V0 19830311; IT 8367275 A0 19830311; JP S58168456 A 19831004; JP S6238065 B2 19870815; KR 840003965 A 19841006; KR 880002066 B1 19881014; MX 159487 A 19890616; PL 135939 B1 19860131; PL 240969 A1 19831107; RO 86288 A 19850315; RO 86288 B 19850331; SE 8301221 D0 19830307; SE 8301221 L 19830913; SI 8310507 A8 19950430; SK 278292 B6 19960807; SU 1215607 A3 19860228; UA 6078 A1 19941229; US 4506723 A 19850326; YU 44096 B 19900228; YU 50783 A 19851231

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EP 83102221 A 19830307; AT 83102221 T 19830307; AU 1193783 A 19830301; BE 210304 A 19830311; BR 8301236 A 19830311; CA 423456 A 19830311; CH 135483 A 19830311; CS 165483 A 19830310; DD 24875083 A 19830311; DE 3363143 T 19830307; EG 16683 A 19830312; ES 520523 A 19830311; FR 8204195 A 19820312; GB 8303711 A 19830210; HR P930747 A 19930402; IN 299CA1983 A 19830310; IT 5305083 U 19830311; IT 6727583 A 19830311; JP 3998983 A 19830310; KR 830000995 A 19830312; MX 19654783 A 19830311; PL 24096983 A 19830310; RO 11028683 A 19830310; SE 8301221 A 19830307; SI 8310507 A 19830303; SK 165483 A 19830310; SU 3571173 A 19830311; UA 3571173 A 19830311; US 46873983 A 19830222; YU 50783 A 19830303