

Title (en)
PROCESS AND INSTALLATION FOR THE CONTINUOUS CASTING OF CAST IRON SOCKET TUBES

Publication
EP 0131263 B1 19870909 (FR)

Application
EP 84107854 A 19840705

Priority
FR 8311788 A 19830712

Abstract (en)
[origin: ES8504514A1] The vertically ascending casting of a thin-walled metal pipe and integral end fitting from a bath of molten metal is implemented using a housing 12 and a core 14 to mold the end fitting or bell housing and a tubular draw tube 6 to mold the pipe shank. The end fitting E is first formed by forcing the metal to rise in the annular space 16 between the housing and the core, simultaneously forming the initial section of the pipe shank. Once the end fitting has solidified it is extracted upwardly, step by step, while shank sections are simultaneously withdrawn from the metal bath. These sections are also solidified step by step along a tapering front S in the bath until the desired length of pipe T has been obtained.

IPC 1-7
B22D 11/00; **B22D 11/14**

IPC 8 full level
B22D 18/06 (2006.01); **B22D 11/00** (2006.01); **B22D 11/04** (2006.01); **B22D 11/06** (2006.01); **B22D 11/14** (2006.01); **B22D 18/04** (2006.01); **B22D 25/02** (2006.01)

CPC (source: EP KR US)
B22D 11/00 (2013.01 - KR); **B22D 11/006** (2013.01 - EP US); **B22D 11/145** (2013.01 - EP US)

Cited by
CN109513890A; CN105964965A; CN106392026A; AU689596B2; GB2236498A; GB2236498B; WO8909668A1

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

DOCDB simple family (publication)
EP 0131263 A1 19850116; **EP 0131263 B1 19870909**; AT E29404 T1 19870915; AU 3036584 A 19850117; AU 572524 B2 19880512; BR 8403462 A 19850625; CA 1205274 A 19860603; CZ 279835 B6 19950712; CZ 541684 A3 19950412; DD 220527 A5 19850403; DE 3465905 D1 19871015; EG 16580 A 19901230; ES 534229 A0 19850416; ES 8504514 A1 19850416; FI 74896 B 19871231; FI 74896 C 19880411; FI 842759 A0 19840710; FI 842759 A 19850113; FR 2548935 A1 19850118; FR 2548935 B1 19860711; IN 161533 B 19871219; JP H0120950 B2 19890419; JP S6054265 A 19850328; KR 850002784 A 19850520; KR 900002034 B1 19900331; MX 167420 B 19930322; PL 141488 B1 19870731; PL 248670 A1 19850409; RO 89018 A 19860430; SU 1395135 A3 19880507; UA 5951 A1 19941229; US 4611651 A 19860916; YU 117687 A 19901031; YU 121284 A 19880430; YU 43848 B 19891231; YU 45825 B 19920720; ZA 844915 B 19850227

DOCDB simple family (application)
EP 84107854 A 19840705; AT 84107854 T 19840705; AU 3036584 A 19840706; BR 8403462 A 19840711; CA 458674 A 19840711; CS 541684 A 19840712; DD 26516584 A 19840711; DE 3465905 T 19840705; EG 43384 A 19840710; ES 534229 A 19840711; FI 842759 A 19840710; FR 8311788 A 19830712; IN 492MA1984 A 19840707; JP 14317484 A 19840710; KR 840003804 A 19840702; MX 20199884 A 19840712; PL 24867084 A 19840711; RO 11517184 A 19840709; SU 3758954 A 19840711; UA 3758954 A 19840711; US 63004384 A 19840712; YU 117687 A 19870624; YU 121284 A 19840711; ZA 844915 A 19840627