

Title (en)

Apparatus for the rotating feeding of a cast to a vertical continuous-casting plant for spheroidal graphite cast iron tubes.

Title (de)

Vorrichtung zur rotierenden Zufuhr einer Schmelze bei einer Vertikal-Stranggiessanlage für Rohre aus Kugelgraphit Gusseisen.

Title (fr)

Dispositif d'alimentation rotative en fonte liquide d'une installation de coulée continue verticale d'un tuyau en fonte à graphite sphéroïdal.

Publication

EP 0187609 A1 19860716 (FR)

Application

EP 85470001 A 19851127

Priority

FR 8418862 A 19841207

Abstract (en)

[origin: US4690199A] Installation comprising a reservoir crucible 11, 12 for molten cast-iron F with step-by-step extraction of a pipe T produced from the crucible comprising a cooled die. To obtain a cast-iron pipe of uniform thickness over its entire circular periphery, despite the absence of a core, the molten cast-iron F is set in slow rotation in the crucible by the tangential supply of molten cast-iron with a low rate of flow through a tangential orifice 18, by the rotation of a magnet 36 disposed in a hollow central relief 17 upstanding from the base of the crucible, by the rotation of paddle arms 44 disposed in the molten iron, or by the tangential injection of an inert gas.

Abstract (fr)

Installation a creuset-réservoir 11-12 de fonte liquide F avec extraction pas-à-pas du tuyau T engendré à partir du creuset-réservoir 11-12 à filière refroidie 11. Mise en rotation lente de la fonte liquide F dans le creuset-réservoir 11-12 par alimentation tangentielle en fonte liquide à faible débit par un orifice tangentiel 18. Obtention d'un tuyau en fonte d'épaisseur régulière sur tout le pourtour circulaire, malgré l'absence de noyau.

IPC 1-7

B22D 11/10

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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- [A] FR 2180494 A1 19731130 - ETUDES DE CENTRIFUGATION [FR]
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US 4690199 A 19870901; AT E45691 T1 19890915; AU 5079585 A 19861127; AU 566125 B2 19871008; BR 8506133 A 19860826; CA 1268611 A 19900508; CS 890985 A3 19920115; CZ 279837 B6 19950712; DD 246928 A5 19870624; DE 3572453 D1 19890928; EG 17404 A 19910330; EP 0187609 A1 19860716; EP 0187609 B1 19890823; ES 549672 A0 19861201; ES 8701643 A1 19861201; FI 78630 B 19890531; FI 78630 C 19890911; FI 854737 A0 19851129; FI 854737 A 19860608; FR 2574328 A1 19860613; FR 2574328 B1 19870109; GB 2168633 A 19860625; GB 2168633 B 19890607; GB 8528944 D0 19860102; HR P930760 B1 19960430; IN 166053 B 19900303; JP H0464771 B2 19921016; JP S61137655 A 19860625; KR 860004672 A 19860711; KR 900002035 B1 19900331; MX 167024 B 19930219; MY 103671 A 19930828; PL 147384 B1 19890531; PL 256661 A1 19861007; RO 94202 A 19880630; RO 94202 B 19880701; SI 8511899 A8 19960630; SK 278337 B6 19961204; SU 1435144 A3 19881030; TR 22824 A 19880817; UA 5952 A1 19941229; YU 189985 A 19880630; YU 44532 B 19900831; ZA 859288 B 19860827

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