

Title (en)

Centrifugally cast tube made from spheroidal graphite cast iron, and process for the manufacture thereof.

Title (de)

Schleudergussröhren aus Gusseisen mit Kugelgraphit und Verfahren zur Herstellung derselben.

Title (fr)

Tube centrifugé en fonte à graphite sphéroïdal et son procédé de fabrication.

Publication

**EP 0087634 A1 19830907 (FR)**

Application

**EP 83101259 A 19830210**

Priority

FR 8203327 A 19820301

Abstract (en)

[origin: US4448610A] The cast tube (T) is subjected internally in a chill-mould (1) to the uniform spraying of water from 1000 DEG C. approximately to 350 DEG C. approximately. Then it is extracted from the chill-mould and in a furnace is subjected to isothermal bainitisation maintenance, after which it is cooled in the atmosphere to ambient temperature. Without it being necessary to add expensive chilling elements, one thus obtains lightened tubes having very good mechanical properties and the ovalisation of which remains acceptable.

Abstract (fr)

Le tube (T) par coulée centrifuge est soumis à une aspersion d'eau uniforme pendant qu'il se trouve encore dans la coquille 1; sa température tombe d'environ 1000°C à environ 350°C. Ensuite il est extrait de la coquille et soumis dans un four à un maintien isotherme de bainitisation, après quoi il se refroidit à l'air libre jusqu'à la température ambiante. Sans qu'il soit nécessaire d'ajouter des éléments trempants coûteux, on obtient ainsi des tubes allégés ayant de très bonnes propriétés mécaniques et dont l'ovalisation reste acceptable.

IPC 1-7

**C22C 37/04**; **C21D 5/00**

IPC 8 full level

**B22D 13/02** (2006.01); **B22D 13/10** (2006.01); **F16L 9/02** (2006.01); **B22D 27/04** (2006.01); **C21D 5/00** (2006.01); **C21D 9/08** (2006.01); **C22C 37/04** (2006.01)

CPC (source: EP KR US)

**C21D 5/00** (2013.01 - EP US); **C22C 37/04** (2013.01 - EP KR US)

Citation (search report)

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- [A] GIESSEREI-PRAXIS, vol. 1, 15 Janvier 1982, BERLIN (DE)

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Designated contracting state (EPC)

AT BE CH DE GB IT LI NL SE

DOCDB simple family (publication)

**EP 0087634 A1 19830907**; **EP 0087634 B1 19860108**; AT A62883 A 19880715; AT E17375 T1 19860115; AU 1194083 A 19830908; AU 553544 B2 19860717; BE 896059 A 19830901; BR 8300976 A 19831116; CH 651768 A5 19851015; CS 136983 A2 19891114; CS 272203 B2 19910115; DD 209124 A5 19840425; DE 3361739 D1 19860220; EG 15781 A 19861230; ES 520165 A0 19840816; ES 8406918 A1 19840816; FR 2522291 A1 19830902; FR 2522291 B1 19841116; GB 2117000 A 19831005; GB 2117000 B 19860326; GB 8304308 D0 19830323; IN 157332 B 19860301; IT 1158814 B 19870225; IT 8367229 A0 19830228; JP S58161748 A 19830926; JP S6343447 B2 19880830; KR 840003445 A 19840908; KR 900001096 B1 19900226; MX 161630 A 19901126; MY 8700117 A 19871231; PL 139257 B1 19870131; PL 139262 B1 19870131; PL 240787 A1 19831107; RO 87318 A 19850831; SE 8301060 D0 19830225; SE 8301060 L 19830902; US 4448610 A 19840515; YU 43820 B 19891231; YU 47283 A 19860430

DOCDB simple family (application)

**EP 83101259 A 19830210**; AT 62883 A 19830223; AT 83101259 T 19830210; AU 1194083 A 19830301; BE 896059 A 19830301; BR 8300976 A 19830228; CH 112283 A 19830301; CS 136983 A 19830228; DD 24832983 A 19830228; DE 3361739 T 19830210; EG 13583 A 19830227; ES 520165 A 19830228; FR 8203327 A 19820301; GB 8304308 A 19830216; IN 249CA1983 A 19830301; IT 6722983 A 19830228; JP 3366883 A 19830301; KR 830000805 A 19830228; MX 19641183 A 19830228; MY 8700117 A 19871230; PL 24078783 A 19830225; PL 25216283 A 19830225; RO 11016983 A 19830226; SE 8301060 A 19830225; US 46960183 A 19830224; YU 47283 A 19830228