

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
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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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- [Y] US 3784416 A 19740108 - DAVIES B
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- [A] GIESSEREI-PRAXIS, vol. 1, 15 Janvier 1982, BERLIN (DE)

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