

Title (en)

Casting apparatus and tubular mould for the continuous casting of thin-walled iron tubes.

Title (de)

Vorrichtung und Giessform zum Stranggiessen von dünnwandigen giesseisernen Röhren.

Title (fr)

Installation de coulée continue avec filière tubulaire pour l'obtention d'un tube, à paroi mince, en fonte.

Publication

**EP 0088980 A1 19830921 (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.

Abstract (fr)

La filière (6) comporte un corps cylindrique épais (7) qui est entouré par une enveloppe de refroidissement (15) serrée contre le bassin de coulée (2) et en contact avec lui dans un plan (P). Le corps (7) est prolongé dans l'orifice de coulée (4) par une tête composite (17) comportant une lèvre annulaire interne mince (22) dont la face interne prolonge celle du corps (7), et une bague (24) en matériau réfractaire ajustée entre la lèvre, le corps et l'orifice de coulée. La lèvre (chaude) (22) se raccorde au corps (7) dans le plan (P), de sorte que la bague (24) le rejoint également dans ce plan et que le flux de calories (f1) allant de l'orifice de coulée à l'enveloppe de refroidissement doit contourner cette bague.

IPC 1-7

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

IPC 8 full level

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CPC (source: EP KR US)

**B22D 11/006** (2013.01 - EP US); **B22D 11/04** (2013.01 - KR)

Citation (search report)

- [A] FR 1480828 A 19670512 - ANACONDA AMERICAN BRASS CO
- [AD] FR 2415501 A1 19790824 - PONT A MOUSSON [FR]

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