

Publication

EP 0452294 A3 19940119

Application

EP 91870056 A 19910408

Priority

LU 87722 A 19900411

Abstract (en)

[origin: EP0452294A2] The present method for the continuous casting of a metal comprises the following successive operations: a) the temperature of the metal is lowered to a value between T_f and $(T_f + 20 \text{ DEG C})$ before and/or during casting of the said metal in the ingot mould, T_f being the liquidus temperature of the said metal, for example by forming a hollow jet flowing along a cooled conduit; b) the cast product is subjected to an intense cooling by means of a continuous layer of cooling liquid under pressure formed at the surface of the said cast product; and c) a moderate cooling is then applied to the said cast product by means of a cooling liquid preferably coming from the preceding intense cooling. In this way, continuously cast products are obtained which have no internal or surface cracks. <IMAGE>

IPC 1-7

B22D 11/124

IPC 8 full level

B22D 11/112 (2006.01); **B22D 11/124** (2006.01)

CPC (source: EP)

B22D 11/112 (2013.01); **B22D 11/124** (2013.01)

Citation (search report)

- [PDY] EP 0393005 A2 19901017 - CENTRE RECH METALLURGIQUE [BE]
- [Y] EP 0054867 A1 19820630 - HAMBURGER STAHLWERKE GMBH [DE]
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- [Y] PATENT ABSTRACTS OF JAPAN vol. 14, no. 291 (M - 989) 22 June 1990 (1990-06-22)

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EP 0452294 A2 19911016; **EP 0452294 A3 19940119**; **EP 0452294 B1 19980701**; AT E167821 T1 19980715; DE 69129671 D1 19980806; LU 87722 A1 19900724

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