

Title (en)

Continuous casting mold with removable insert.

Title (de)

Stranggiesskokille mit wechselbarem Einsatz.

Title (fr)

Lingotière de coulée continue avec insert remplaçable.

Publication

**EP 0355940 A1 19900228 (EN)**

Application

**EP 89300988 A 19890201**

Priority

US 21222688 A 19880627

Abstract (en)

Apparatus comprising a continuous casting mold (18) for horizontal steel casting having a removable insert (32) constituting the entry end of the mold. The insert (32) may be of a material that is more wear resistant and has better thermal conductivity than the remainder of the mold (18). The insert (32) may be of a conductive ceramic material and may have an integral break ring (34, 36, 38) formed thereon, with the break ring (34, 36, 38) being of a non-conductive ceramic material.

IPC 1-7

**B22D 11/04**

IPC 8 full level

**B22D 11/04** (2006.01); **B22D 11/047** (2006.01); **B22D 11/059** (2006.01)

CPC (source: EP)

**B22D 11/0475** (2013.01); **B22D 11/059** (2013.01)

Citation (search report)

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- [X] DE 2520091 A1 19761118 - DAVY LOEWY LTD
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- [X] US 3381741 A 19680507 - GARDNER GEORGE R
- [X] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 282 (M-428)[2005], 9th November 1985; & JP-A-60 124 444 (KAWASAKI JUKOGYO K.K.) 03-07-1985
- [X] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 342 (M-536)[2398], 19th November 1986; & JP-A-61 144 244 (KAWASAKI HEAVY IND. LTD.) 01-07-1986

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 89300988 A 19890201**; CA 599863 A 19890516; JP 6941889 A 19890323