

Title (en)

Continuous molten copper cladding of ferrous alloys.

Title (de)

Kontinuierliches Plattieren von Eisenlegierungen mit geschmolzenem Kupfer.

Title (fr)

Placage continu d'alliages de fer avec du cuivre fondu.

Publication

**EP 0149063 A1 19850724 (EN)**

Application

**EP 84114168 A 19841123**

Priority

US 56743983 A 19831230

Abstract (en)

An apparatus for the continuous molten copper cladding of ferrous alloys includes a melt furnace for a molten copper bath, the melt furnace having a bottom supporting a substantially annular dry orifice through which ferrous rod is to be drawn up into and through the melt into a cladding mechanism, the cladding mechanism to be at least partially submersible in the molten copper bath and comprising a substantially cylindrical, vertically orientable nozzle exhibiting a guiding surface at one end, an annular entry guide attached to and positioned by the guiding surface of the nozzle, a substantially cylindrical chill mold having an interiormost surface into which nozzle is threaded, and a fireproof lining surrounding and contacted to an exterior surface of the nozzle.

IPC 1-7

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IPC 8 full level

**C23C 2/38** (2006.01)

CPC (source: EP)

**C23C 2/38** (2013.01)

Citation (search report)

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- US 3746077 A 19730717 - HOCKSELL H, et al
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Designated contracting state (EPC)

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