

Title (en)

Casting in a low density atmosphere.

Title (de)

Giessen unter einer Atmosphäre geringer Dichte.

Title (fr)

Coulée dans une atmosphère de faible densité.

Publication

EP 0124688 A1 19841114 (EN)

Application

EP 84101360 A 19840210

Priority

US 48347583 A 19830411

Abstract (en)

An apparatus and method for casting metal strip (6) include a moving chill body that has a quench surface (5). A nozzle mechanism (4) deposits stream of molten metal on a quenching region (14) of the quench surface to form the strip. The nozzle mechanism has an exit portion (26) with a nozzle orifice (22). A depletion mechanism supplies a low density atmosphere to a depletion region located adjacent to and upstream of the quenching region. The quench surface is heated to a temperature that substantially prevents precipitation of condensed or solidified constituents from the low density atmosphere onto the depletion region.

IPC 1-7

B22D 11/00; **B22D 11/06**; **B22D 11/10**; **B22D 27/00**

IPC 8 full level

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CPC (source: EP)

B22D 11/005 (2013.01); **B22D 11/0697** (2013.01)

Citation (search report)

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