

Title (en)
CASTING IN A LOW DENSITY ATMOSPHERE

Publication
EP 0124688 B1 19880810 (EN)

Application
EP 84101360 A 19840210

Priority
US 48347583 A 19830411

Abstract (en)
[origin: EP0124688A1] 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
B22D 11/00 (2006.01); **B22D 11/06** (2006.01)

CPC (source: EP)
B22D 11/005 (2013.01); **B22D 11/0697** (2013.01)

Cited by
BE1000490A4; EP0300996A4; GB2183185A; FR2590189A1; GB2183185B; AU578558B1

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0124688 A1 19841114; **EP 0124688 B1 19880810**; AU 2453284 A 19841018; CA 1213120 A 19861028; DE 3473240 D1 19880915; JP H0328254 B2 19910418; JP S59209460 A 19841128

DOCDB simple family (application)
EP 84101360 A 19840210; AU 2453284 A 19840213; CA 450620 A 19840327; DE 3473240 T 19840210; JP 7260184 A 19840411