

Title (en)

ARRANGEMENT OF A SLEEVE FOR THE INJECTION OF GASES OR SOLIDS INTO A LADLE CONTAINING A METALLURGICAL MELT

Publication

**EP 0204076 B1 19890816 (DE)**

Application

**EP 86102833 A 19860304**

Priority

DE 3520207 A 19850605

Abstract (en)

[origin: US4709905A] A casing assembly includes a nozzle brick to form part of a wall of a metallurgical vessel. The nozzle brick has therethrough a conical opening defined by a conical inner surface. A casing to be inserted into the conical opening has a truncated conical shape including a conical outer surface and an axially extending flow through opening. The conical opening and the casing have coaxial center axes, and the conical inner and outer surfaces extend at equal angles of inclination to such axes. The conical inner surface is jacketed with a thin metal shell having a conical shape with the same inclination as that of the conical inner and outer surfaces.

IPC 1-7

**B22D 41/08**; **C21C 7/072**

IPC 8 full level

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CPC (source: EP KR US)

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