

Title (en)

AIR INTERCEPTIVE STRUCTURE IN FIRE RESISTANT STRUCTURE

Publication

**EP 0495999 A4 19921230 (EN)**

Application

**EP 91914198 A 19910808**

Priority

- JP 11195091 A 19910516
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Abstract (en)

[origin: WO9202323A1] A structure for ensuring air interception for molten steel in a fire-resistant structure such as a sliding nozzle device having a molten steel outpouring port, in which, in a fire-resistant structure having a fire-resistant material provided with a nozzle hole (7) for downward flow of molten steel, a groove (9) for air venting is formed around the nozzle hole, the groove being of an air venting structure to communicate with a passage (10) leading to an outside air venting device, whereby an air pressure is positively reduced to be negative at the joining surfaces of the fire-resistant materials and external air is completely prevented from entering the nozzle hole through the joining parts.

IPC 1-7

**B22D 11/10**

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 9202323A1

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**WO 9202323 A1 19920220**; AU 8317691 A 19920302; BR 9105858 A 19920922; CA 2069297 A1 19920211; EP 0495999 A1 19920729; EP 0495999 A4 19921230; JP H04228256 A 19920818; KR 920702265 A 19920903

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