

Title (en)
IMPROVEMENT FOR LADLES TO CAST METAL

Publication
EP 0302040 B1 19920916 (FR)

Application
EP 88870124 A 19880715

Priority
BE 8700855 A 19870731

Abstract (en)
[origin: JPH01104462A] PURPOSE: To efficiently cool a fixed plate of a cooler for a ladle by a jet of a cooling fluid by providing an annular chamber partially enclosing an internal nozzle with a hollow member for supplying this fluid and forming many orifices facing the fixing plate of the cooler in the hollow members. CONSTITUTION: The wearing part 12B of the internal nozzle 12 is enclosed by the annular chamber 3 and envelopes the hollow member 5. The member 5 is communicated with a duct 6 for supplying a cooling fluid and is formed with many orifices 7 over the entire length of the member 5 so as to direct the jet of the cooling fluid to the fixed plate 22 enclosing a hole for casting. Then, the jet of the cooling fluid directed toward the fixed plate 22 powerfully cools the fixed plate.

IPC 1-7
B22D 41/08

IPC 8 full level
B22D 41/005 (2006.01); **B22D 41/08** (2006.01); **B22D 41/60** (2006.01)

CPC (source: EP US)
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DOCDB simple family (publication)
EP 0302040 A2 19890201; **EP 0302040 A3 19900307**; **EP 0302040 B1 19920916**; AT E80570 T1 19921015; BE 1000777 A7 19890404; DE 3874648 D1 19921022; JP H01104462 A 19890421; US 4844303 A 19890704

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