

Title (en)  
OUTLET TROUGH FOR MOLTEN METAL

Publication  
**EP 0060239 B1 19840725 (DE)**

Application  
**EP 82890030 A 19820301**

Priority  
AT 100281 A 19810304

Abstract (en)  
[origin: EP0060239A1] 1. A spout (3) for a metal melt, in particular a tapping spout of a blast furnace for the production of pig iron, comprising a trough-shaped metal jacket (4) provided with a refractory lining (5, 6) accommodating the metal melt and with at least one cavity (4'') through which a coolant flows, characterised in that, within the cavity of the metal jacket (4), ribs (14) departing from a distribution box (22, 23) arranged on one end of the spout (3), extending in the longitudinal direction of the spout and conducting the coolant are provided, and that air is provided as the coolant.

IPC 1-7  
**C21B 7/14**

IPC 8 full level  
**B22D 35/00** (2006.01); **B22D 37/00** (2006.01); **B22D 39/00** (2006.01); **C21B 7/14** (2006.01); **F27B 1/21** (2006.01)

CPC (source: EP)  
**C21B 7/14** (2013.01)

Cited by  
CN102827979A; EP0143971A1; EP0375007A1; US5129631A; US5088695A; EP0090761A1; EP0404212A1; US5031882A; EP0926248A1; NL1007881C2; US6123894A; NL1003885C2; US6090340A; CN1066200C; WO9808982A1

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