

Title (en)  
SHIELDING APPARATUS FOR A POURING STREAM OF LIQUID MATERIAL

Publication  
**EP 0137118 B1 19870422 (DE)**

Application  
**EP 84107391 A 19840627**

Priority  
CH 441583 A 19830812

Abstract (en)  
[origin: ES280558U] An apparatus for screening a stream of molten metal has a bellows. An annular distribution chamber for protective gas to be blown into an area traversed by the stream of molten metal is provided inside the bellows. That annular chamber is inwardly delimited by a flexible screening shroud of heat-resistant, gas-permeable material encompassing the area traversed by the stream of molten metal and being inwardly spaced from the bellows. Corresponding ends of the bellows and shroud are gas-tightly interconnected. The screening shroud surrounding the pouring stream at a distance protects the bellows from metal splashes and screen it also from heat that is radiating from the pouring stream.

IPC 1-7  
**B22D 11/10**; **B22D 35/00**; **B22D 41/08**

IPC 8 full level  
**B22D 11/10** (2006.01); **B22D 11/106** (2006.01); **B22D 35/00** (2006.01); **B22D 37/00** (2006.01); **B22D 41/08** (2006.01); **B22D 41/58** (2006.01)

CPC (source: EP US)  
**B22D 11/106** (2013.01 - EP US); **B22D 37/005** (2013.01 - EP US)

Cited by  
EP0505035A1; EP0410651A3; EP0990474A1; FR2783732A1

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DOCDB simple family (publication)  
**EP 0137118 A1 19850417**; **EP 0137118 B1 19870422**; AT E26662 T1 19870515; CA 1219726 A 19870331; CH 660700 A5 19870615; DE 3463222 D1 19870527; DE 8420823 U1 19841011; ES 280558 U 19850616; ES 280558 Y 19860401; JP H0112583 B2 19890301; JP S60216958 A 19851030; US 4565239 A 19860121; ZA 846102 B 19850327

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