

Title (en)  
APPARATUS FOR SHIELDING MOLTEN METAL DURING TEEMING

Publication  
**EP 0005609 B1 19810527 (EN)**

Application  
**EP 79300784 A 19790508**

Priority  
GB 1838278 A 19780509

Abstract (en)  
[origin: EP0005609A1] Apparatus for shielding molten metal during teeming, characterized in that it comprises a first arm pivotably mountable on a carriage for carrying a ladle, a second arm pivotably mountable on said carriage, a first cylinder open at both ends, connected to said first arm and having one end which, during teeming, is urged against the pouring spout on the bottom of a ladle mounted on said carriage, a second cylinder open at both ends, connected to said second arm, and moveable relative to said first cylinder to vary the distance between said first and second cylinders, and means to introduce a shielding gas into the interior of said cylinders, the arrangement being such that, in use, after the pouring spout of a ladle is arranged over a pouring trumpet, said arms can be moved so that said first and second cylinders define a passageway between the pouring spout on the ladle and the pouring trumpet into which shielding gas can be introduced via said means to inhibit air coming into contact with molten metal as it passes through said passageway.

IPC 1-7  
**B22D 7/12**; B22D 23/00; B22D 11/10; F16L 37/00

IPC 8 full level  
**B22D 7/12** (2006.01); **B22D 11/106** (2006.01); **B22D 23/00** (2006.01)

CPC (source: EP)  
**B22D 7/12** (2013.01); **B22D 11/106** (2013.01); **B22D 23/00** (2013.01)

Cited by  
CN115401191A; WO9804370A1

Designated contracting state (EPC)  
BE DE FR NL

DOCDB simple family (publication)  
**EP 0005609 A1 19791128**; **EP 0005609 B1 19810527**; CA 1135935 A 19821123; DE 2960386 D1 19810903; GB 1581201 A 19801210; ZA 792218 B 19800528

DOCDB simple family (application)  
**EP 79300784 A 19790508**; CA 327233 A 19790509; DE 2960386 T 19790508; GB 1838278 A 19780509; ZA 792218 A 19790508