

Title (en)  
LEAD RETAINING PURGE PLUG

Title (de)  
BLEIAUFNEHMENDER ENTLÜFTUNGSSTECKER

Title (fr)  
BOUCHON DE PURGE RETENANT LE PLOMB

Publication  
**EP 3003603 A4 20170222 (EN)**

Application  
**EP 14807988 A 20140505**

Priority  
• US 201361832374 P 20130607  
• US 2014036787 W 20140505

Abstract (en)  
[origin: WO2014197151A1] A purge plug containing a refractory material is configured to be inserted in the bottom of a ladle for introducing purging gas through a heat of molten metal in the ladle. The purge plug houses a retention chamber for holding the lead content of lead-containing molten steel alloys that leaches into, or infiltrates into, the purge plug. The purging gas supply tube is provided with a portion that protrudes into the retention chamber, thereby preventing the lead content of lead-containing molten steel alloys from entering and blocking the purging gas supply tube.

IPC 8 full level  
**B22D 1/00** (2006.01); **C21C 5/48** (2006.01)

CPC (source: EP US)  
**B22D 1/005** (2013.01 - EP US); **C21C 5/48** (2013.01 - EP US); **C21C 7/0075** (2013.01 - EP US); **C21C 7/072** (2013.01 - EP US)

Citation (search report)  
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• [XY] DE 3907500 C1 19900823  
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• See references of WO 2014197151A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
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EP 14807988 A 20140505; KR 20157036248 A 20140505; MX 2015016794 A 20140505; TW 103119633 A 20140606;  
US 201414896072 A 20140505; ZA 201508456 A 20151116