

Title (en)  
SEALING ASSEMBLY

Title (de)  
DICHTUNGSANORDNUNG

Title (fr)  
SYSTÈME D'ÉTANCHÉITÉ

Publication  
**EP 2707628 A1 20140319 (DE)**

Application  
**EP 12720482 A 20120509**

Priority  
• EP 11165711 A 20110511  
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• EP 12720482 A 20120509

Abstract (en)  
[origin: EP2522885A1] The arrangement has an annular sealing element (44) that closes a shaft (16) which stands in contact with a liquid melted mass (10) made from aluminum or aluminum alloy. The sealing element is made of carbon and a ceramic or metallic material. The shaft is provided in containment area of the sealing element with a coating (60). The resistance of the coating of the shaft is higher than the resistance of the sealing element. The sealing element and the coating are made from diamond-like carbon, zirconium oxide, aluminum titanate, boron nitride or tungsten. The shaft is made of steel material.

IPC 8 full level  
**F16J 15/26** (2006.01)

CPC (source: EP US)  
**F16J 15/16** (2013.01 - US); **F16J 15/26** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012152846A1

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**EP 2522885 A1 20121114**; BR 112013028564 A2 20170117; CA 2832200 A1 20121115; CN 103518089 A 20140115; EP 2707628 A1 20140319; JP 2014514517 A 20140619; MX 2013012965 A 20140312; RU 2013153500 A 20150620; US 2014117627 A1 20140501; WO 2012152846 A1 20121115

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**EP 11165711 A 20110511**; BR 112013028564 A 20120509; CA 2832200 A 20120509; CN 201280019690 A 20120509; EP 12720482 A 20120509; EP 2012058581 W 20120509; JP 2014509727 A 20120509; MX 2013012965 A 20120509; RU 2013153500 A 20120509; US 201214111853 A 20120509