

Title (en)  
METHOD OF PURIFYING AND CASTING MATERIALS

Title (de)  
VERFAHREN ZUM REINIGEN VON GIESSEN VON MATERIALIEN

Title (fr)  
PROCÉDÉ DE PURIFICATION ET DE MOULAGE DE MATÉRIAUX

Publication  
**EP 3268983 A4 20180725 (EN)**

Application  
**EP 16762122 A 20160225**

Priority  
• US 201562130985 P 20150310  
• US 2016019490 W 20160225

Abstract (en)  
[origin: WO2016144557A1] A method of purifying and casting a material comprising placing a material to be purified within a crucible, the crucible located within a purification chamber; providing thermal energy to the material to maintain the material in a molten state; providing a purification gas into the molten material to purify the material until a first measured condition is attained; passing the material in a fluid state from the purification chamber having a first atmosphere to a casting chamber having a second atmosphere, the purification chamber in fluid communication with the casting chamber such that the material passes from the purification chamber to the casting chamber without exposure to a third atmosphere; placing the material into a mold within the casting chamber; cooling the material within the mold to form a cast material.

IPC 8 full level  
**H01L 21/302** (2006.01)

CPC (source: EP KR US)  
**B22D 1/002** (2013.01 - EP KR US); **B22D 21/027** (2013.01 - EP KR US); **C22B 9/05** (2013.01 - EP KR US)

Citation (search report)  
• [A] EP 1249520 A1 20021016 - OPTOSCINT INC [US]  
• [A] US 3226102 A 19651228 - PAGONIS GEORGE A  
• [I] US 5275228 A 19940104 - WORTMANN JUERGEN [DE], et al  
• See references of WO 2016144557A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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