

Title (en)  
SEAL PLUG FOR A TILTABLE CONVERTER

Title (de)  
VERSCHLUSSSTOPFEN FÜR KIPPBARE KONVERTER

Title (fr)  
BOUCHON D'OBTURATION POUR CONVERTISSEURS BASCULANTS

Publication  
**EP 2315859 A1 20110504 (DE)**

Application  
**EP 09776099 A 20090814**

Priority  
• DE 2009001160 W 20090814  
• DE 102008039142 A 20080821

Abstract (en)  
[origin: WO2010020229A1] In order to close the tap hole (3) of a tiltable converter (2), a seal plug (1) is provided, which is composed of fireproof material (10) disposed between the upper deformation plate (19) and the lower deformation plate (20). Said fireproof material (10) comprises bonding clay, water, oil and other constituents, above all 10-30% by weight mineral hollow glass spheres made of waste glass, specifically in the form of so-called expanded glass having a surface that is suited to bind large quantities of moisture. In this way, the seal plug (1) is provided with the necessary stability even over extended periods and can be deformed in the tap hole (3) without difficulty after extended storage periods such that it is fixed tightly against the wall (28). The hollow glass spheres (11, 12, 13, 14) in addition result in a significant weight reduction of the overall seal plug (1).

IPC 8 full level  
**C21B 7/12** (2006.01); **C21C 5/46** (2006.01); **F27D 3/15** (2006.01)

CPC (source: EP KR US)  
**C21B 7/12** (2013.01 - KR); **C21B 7/125** (2013.01 - EP US); **C21C 5/46** (2013.01 - KR); **C21C 5/4653** (2013.01 - EP US);  
**F27D 3/15** (2013.01 - KR); **F27D 3/1536** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010020229A1

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DOCDB simple family (publication)  
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