

Title (en)  
SWELLABLE SEAL WITH BACKUP

Title (de)  
QUELLBARE VERSIEGELUNG MIT SICHERUNG

Title (fr)  
JOINT GONFLABLE DOTÉ D'UNE SÉCURITÉ

Publication  
**EP 3042033 A4 20170517 (EN)**

Application  
**EP 13896934 A 20131106**

Priority  
US 2013068776 W 20131106

Abstract (en)  
[origin: WO2015069242A1] A well seal assembly for use in a seal groove of a well component. The seal assembly including a swellable elastomer seal to reside in the seal groove. The swellable elastomer seal responsive to expand when in contact with a specified fluid. A backup member is provided to reside in the seal groove, axially between the swellable elastomer seal and an axial end wall of the seal groove. The backup ring includes an undulation that, when axially compressed, expands the backup member.

IPC 8 full level  
**E21B 33/12** (2006.01); **E21B 33/122** (2006.01)

CPC (source: EP RU US)  
**E21B 33/12** (2013.01 - RU); **E21B 33/1208** (2013.01 - EP US); **E21B 33/1216** (2013.01 - EP US); **E21B 33/122** (2013.01 - US);  
**E21B 33/128** (2013.01 - US)

Citation (search report)

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- [Y] US 6840328 B2 20050111 - MCKEE L MICHAEL [US], et al
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- [A] WO 2012164051 A2 20121206 - INTERWELL TECHNOLOGY AS [NO], et al
- See references of WO 2015069242A1

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)  
**WO 2015069242 A1 20150514**; AR 099284 A1 20160713; AU 2013405012 A1 20160428; AU 2013405012 B2 20170223;  
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MX 2016004222 A 20161108; RU 2631454 C1 20170922; SG 11201602567V A 20160428; US 2016245038 A1 20160825

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SG 11201602567V A 20131106; US 201315027516 A 20131106