

Title (en)
A SELF ENERGIZING SEAL ELEMENT

Title (de)
SELBSTERREGENDES DICHTUNGSELEMENT

Title (fr)
ÉLÉMENT D'ÉTANCHÉITÉ À AUTO-ACTIVATION

Publication
EP 2153016 A2 20100217 (EN)

Application
EP 08755532 A 20080515

Priority
• US 2008063699 W 20080515
• US 75130507 A 20070521

Abstract (en)
[origin: US2008290602A1] A self-energizing seal element includes at least one inside interference surface having a dimension smaller than an inside dimension of an annulus in which the seal is to be disposed in use, at least one outside interference surface having a dimension larger than an outside dimension of the annulus in which the seal is to be disposed in use, the at least one inside interference surface being axially offset from the at least one outside interference surface and at least one angular flange extending between the at least one outside interference surface and the at least one inside interference surface and method for sealing.

IPC 8 full level
E21B 33/00 (2006.01); **F16J 15/08** (2006.01); **F16J 15/32** (2006.01)

CPC (source: EP US)
E21B 33/1212 (2013.01 - EP US); **F16J 15/0881** (2013.01 - EP US); **F16J 15/10** (2013.01 - EP US); **E21B 2200/01** (2020.05 - EP US)

Citation (search report)
See references of WO 2008147707A2

Citation (examination)
US 6561521 B2 20030513 - JANOFF DWIGHT D [US], et al

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
US 2008290602 A1 20081127; AU 2008257033 A1 20081204; CA 2687824 A1 20081204; EP 2153016 A2 20100217;
RU 2009147817 A 20110627; WO 2008147707 A2 20081204; WO 2008147707 A3 20090226; WO 2008147707 A4 20090416

DOCDB simple family (application)
US 75130507 A 20070521; AU 2008257033 A 20080515; CA 2687824 A 20080515; EP 08755532 A 20080515; RU 2009147817 A 20080515;
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