

Title (en)
HYDRAULIC ACCUMULATOR

Title (de)
HYDRAULISCHER AKKUMULATOR

Title (fr)
ACCUMULATEUR HYDRAULIQUE

Publication
EP 3252318 A1 20171206 (EN)

Application
EP 16172377 A 20160601

Priority
EP 16172377 A 20160601

Abstract (en)
A hydraulic accumulator includes a shell (2), a bellows (5), and a self-seal stay (8) disposed at t a hydraulic-fluid inlet (6) and including a cylindrical body portion (8a) and a lid-shaped head portion (8b) defining a through hole (81). The self-seal stay (8) includes a first weakened portion (9) for deforming the body portion (8a) when a pressure of the gas chamber (G) is more than a given threshold. The first weakened portion (9) includes a first recessed portion (91) formed in a circumferential direction of the body portion (8a). The first recessed portion (91) includes a bottom surface (91b) of a plane surface or a circular arc shaped curved surface which is convex toward outside of the body portion from inside thereof. At least one of both end portions (91c) of the bottom surface (91b) in the circumferential direction is joined with an outer circumferential surface of the body portion (8a).

IPC 8 full level
F15B 1/08 (2006.01)

CPC (source: EP)
F15B 1/083 (2013.01); **F15B 1/103** (2013.01); **F15B 2201/3153** (2013.01)

Citation (applicant)
• JP 2003172301 A 20030620 - NHK SPRING CO LTD
• JP 2012237415 A 20121206 - NOK CORP

Citation (search report)
• [XAI] US 2003116209 A1 20030626 - UMETSU CHIHARU [JP], et al
• [XA] US 2011226370 A1 20110922 - ARIKAWA TATSUHIRO [JP], et al
• [A] JP 2010127332 A 20100610 - NOK CORP, et al

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

Designated extension state (EPC)
BA ME

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