

Title (en)  
DEVICE, CENTRIFUGE AND METHOD FOR FLUIDIC COUPLING OF CAVITIES

Title (de)  
VORRICHTUNG, ZENTRIFUGE UND VERFAHREN ZUM FLUIDISCHEN KOPPELN VON KAVITÄTEN

Title (fr)  
DISPOSITIF, CENTRIFUGEUSE ET PROCÉDÉ POUR L'ACCOUPLEMENT FLUIDIQUE DE CAVITÉS

Publication  
**EP 2536507 B1 20140122 (DE)**

Application  
**EP 11710769 A 20110323**

Priority  
• US 31702910 P 20100324  
• DE 102010003223 A 20100324  
• EP 2011054502 W 20110323

Abstract (en)  
[origin: WO2011117327A1] A device for insertion into a rotor of a centrifuge has at least two bodies stacked one above the other in a stacking direction in a housing. The housing (130) is constructed in order to be inserted into a holder of the rotor of the centrifuge. In the case of correct reception of the device in the rotor of the centrifuge and in the case of rotation of the rotor, a spacing of one of the at least two bodies from an axis of rotation of the rotor is less than a spacing of another of the at least two bodies from the axis of rotation of the rotor. A first (110) of the at least two bodies has at least one first cavity (150a) and a second cavity (150b) and a second (120) of the at least two bodies has at least one first cavity (160a). The two bodies are arranged in the housing so as to be movable with respect to one another in order, responding to a rotation of the rotor, in a first phase, to couple the first cavity of the first body to the first cavity of the second body fluidically, and in a second phase, to couple the second cavity of the first body to the first cavity of the second body fluidically.

IPC 8 full level  
**B01L 3/00** (2006.01); **B04B 5/04** (2006.01)

CPC (source: EP US)  
**B01L 3/502** (2013.01 - EP US); **B01L 3/5025** (2013.01 - EP US); **B04B 5/0407** (2013.01 - EP US); **B04B 5/0421** (2013.01 - EP US); **B04B 7/08** (2013.01 - US); **B01L 3/5021** (2013.01 - EP US); **B01L 3/50255** (2013.01 - EP US); **B01L 2300/044** (2013.01 - EP US); **B01L 2300/047** (2013.01 - EP US); **B01L 2300/049** (2013.01 - EP US); **B01L 2300/0681** (2013.01 - EP US); **B01L 2300/0829** (2013.01 - EP US); **B01L 2400/0409** (2013.01 - EP US); **B01L 2400/065** (2013.01 - EP US); **B01L 2400/0683** (2013.01 - EP US); **B04B 2005/0435** (2013.01 - EP US)

Cited by  
EP3447346A1

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)  
**DE 102010003223 A1 20110929**; **DE 102010003223 B4 20140918**; CN 102905794 A 20130130; CN 102905794 B 20140702; EP 2536507 A1 20121226; EP 2536507 B1 20140122; US 2013252796 A1 20130926; US 9457359 B2 20161004; WO 2011117327 A1 20110929

DOCDB simple family (application)  
**DE 102010003223 A 20100324**; CN 201180025774 A 20110323; EP 11710769 A 20110323; EP 2011054502 W 20110323; US 201213624079 A 20120921