Title (en)

METHOD FOR ACTIVATING A CHEMICAL REACTION, SOLUTION THAT CAN BE ACTIVATED BY SAID METHOD AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR AKTIVIERUNG EINER CHEMISCHEN REAKTION, DURCH DIESES VERFAHREN AKTIVIERBARE LÖSUNG UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR ACTIVER UNE RÉACTION CHIMIQUE, SOLUTION ACTIVABLE PAR CE PROCÉDÉ ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCÉDÉ

Publication

EP 2943274 A1 20151118 (FR)

Application

EP 14701806 A 20140103

Priority

• FR 1350131 A 20130108
• FR 2014050004 W 20140103

Abstract (en)

[origin: WO2014108627A1] The invention relates to a method which comprises emitting ultrasound into a liquid mixture containing first and second reagents (A, B) in separate phases initially separated by a liquid precursor-gas barrier (3), the ultrasound having a high enough energy level to vaporise the precursor gas, such as to contact the reagents and thus to activate a chemical reaction therebetween.

IPC 8 full level

B01J 19/10 (2006.01); **A61K 9/00** (2006.01); **A61K 41/00** (2006.01); **B01F 13/00** (2006.01); **B01F 15/02** (2006.01)

CPC (source: EP US)

A61K 9/0009 (2013.01 - EP US); **A61K 41/0028** (2013.01 - US); **B01F 33/30** (2022.01 - EP US); **B01F 33/3021** (2022.01 - EP US); **B01F 35/713** (2022.01 - EP US); **B01J 19/0093** (2013.01 - EP); **B01J 19/10** (2013.01 - EP US); B01J 2208/00646 (2013.01 - EP); B01J 2208/00716 (2013.01 - EP); B01J 2219/00932 (2013.01 - EP US); B01J 2219/0875 (2013.01 - EP US); B01J 2219/0877 (2013.01 - EP US); B01J 2219/0888 (2013.01 - EP)

Citation (search report)

See references of WO 2014108627A1

Citation (examination)

• WO 2007089541 A2 20070809 - HARVARD COLLEGE [US], et al
• US 2011053798 A1 20110303 - HINDSON BENJAMIN J [US], 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

DOCDB simple family (publication)

FR 3000688 A1 20140711; **FR 3000688 B1 20160930**; EP 2943274 A1 20151118; JP 2016506300 A 20160303; JP 6469584 B2 20190213; US 2015343412 A1 20151203; US 9545375 B2 20170117; WO 2014108627 A1 20140717

DOCDB simple family (application)

FR 1350131 A 20130108; EP 14701806 A 20140103; FR 2014050004 W 20140103; JP 2015551217 A 20140103; US 201414759584 A 20140103