

Title (en)
METHOD FOR THE REACTIVE VAPORIZATION OF GLYCEROL

Title (de)
VERFAHREN ZUR REAKTIVEN VERDAMPFUNG VON GLYCEROL

Title (fr)
PROCEDE DE VAPORISATION REACTIVE DE GLYCEROL

Publication
EP 2183210 A1 20100512 (FR)

Application
EP 08835353 A 20080905

Priority
• FR 2008051585 W 20080905
• FR 0757396 A 20070906

Abstract (en)
[origin: WO2009044051A1] The subject of the present invention is a method for the reactive vaporization of aqueous solutions of glycerol in a fluidized bed containing a reactive solid. The method of the invention makes it possible to simultaneously vaporize an aqueous solution of glycerol, to remove the impurities that are present in this solution or that are generated during the evaporation, and to carry out the dehydration reaction of the glycerol to acrolein and/or the oxydehydration reaction of the glycerol to acrylic acid.

IPC 8 full level
C07C 45/52 (2006.01); **C07C 47/22** (2006.01); **C07C 51/235** (2006.01); **C07C 57/04** (2006.01)

CPC (source: EP US)
B01J 21/066 (2013.01 - EP US); **B01J 23/002** (2013.01 - EP US); **B01J 23/30** (2013.01 - EP US); **C07C 45/52** (2013.01 - EP US); **C07C 51/235** (2013.01 - EP US); **B01J 2523/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2009044051A1

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)
FR 2920767 A1 20090313; FR 2920767 B1 20091218; BR PI0816427 A2 20150303; CN 101796012 A 20100804; EP 2183210 A1 20100512; JP 2010538050 A 20101209; JP 5615707 B2 20141029; KR 101566562 B1 20151105; KR 20100057833 A 20100601; MY 151959 A 20140731; US 2011028760 A1 20110203; US 8530697 B2 20130910; WO 2009044051 A1 20090409

DOCDB simple family (application)
FR 0757396 A 20070906; BR PI0816427 A 20080905; CN 200880105819 A 20080905; EP 08835353 A 20080905; FR 2008051585 W 20080905; JP 2010523571 A 20080905; KR 20107005036 A 20080905; MY PI20100923 A 20080905; US 67678208 A 20080905