

Title (en)

CONTINUOUS METHOD FOR THE HETEROGENICALLY CATALYZED ESTERIFICATION OF FATTY ACIDS

Title (de)

KONTINUIERLICHES VERFAHREN ZUR HETEROGEN KATALYSIERTEN VERESTERUNG VON FETTSÄUREN

Title (fr)

PROCÉDÉ EN CONTINU D'ESTÉRIFICATION CATALYSÉE HÉTÉROGÈNE DES ACIDES GRAS

Publication

**EP 2205708 A1 20100714 (DE)**

Application

**EP 08844944 A 20081016**

Priority

- EP 2008008763 W 20081016
- DE 102007052065 A 20071030

Abstract (en)

[origin: US2010249442A1] Continuous method for the esterification of free fatty acids in plant and animal fats with alcohols using a heterogenic acid catalyst.

IPC 8 full level

**C07C 67/03** (2006.01); **C07C 67/08** (2006.01); **C07C 69/52** (2006.01); **C11C 3/00** (2006.01); **C11C 3/10** (2006.01)

CPC (source: EP US)

**C07C 67/03** (2013.01 - EP US); **C07C 67/08** (2013.01 - EP US); **C11C 3/003** (2013.01 - EP US); **C11C 3/10** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2009056231A1

Citation (examination)

CN 101016473 A 20070815 - ANHUI FOODSTUFF AND OILS SCIEN [CN]

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 2010249442 A1 20100930; US 8299282 B2 20121030**; AR 071058 A1 20100526; AU 2008318001 A1 20090507; BR PI0819144 A2 20090507; BR PI0819144 A8 20160426; CA 2703813 A1 20090507; CN 101842471 A 20100922; CN 101842471 B 20141210; CO 6270372 A2 20110420; CR 11400 A 20101102; DE 102007052065 A1 20090507; EA 018797 B1 20131030; EA 201000582 A1 20101029; EP 2205708 A1 20100714; HN 2010000893 A 20130624; IL 204938 A0 20101130; IL 204938 A 20131231; MX 2010004519 A 20100514; NI 201000073 A 20100923; NZ 584970 A 20120629; PA 8799301 A1 20090623; PE 20090934 A1 20090724; SV 2010003551 A 20110811; UY 31390 A1 20090529; WO 2009056231 A1 20090507; ZA 201002942 B 20110727

DOCDB simple family (application)

**US 73811508 A 20081016**; AR P080104719 A 20081029; AU 2008318001 A 20081016; BR PI0819144 A 20081016; CA 2703813 A 20081016; CN 200880113695 A 20081016; CO 10050348 A 20100428; CR 11400 A 20100428; DE 102007052065 A 20071030; EA 201000582 A 20081016; EP 08844944 A 20081016; EP 2008008763 W 20081016; HN 2010000893 A 20100428; IL 20493810 A 20100408; MX 2010004519 A 20081016; NI 201000073 A 20100427; NZ 58497008 A 20081016; PA 8799301 A 20081016; PE 2008001787 A 20081017; SV 2010003551 A 20100428; UY 31390 A 20081014; ZA 201002942 A 20100428