

Title (en)  
SURFACTANT-SUPPORTING GRANULE CLUSTER

Title (de)  
TENSIDTRAGENDES GRANULATCLUSTER

Title (fr)  
AMAS DE GRANULÉS PORTANT UN AGENT TENSIOACTIF

Publication  
**EP 2277985 A4 20121128 (EN)**

Application  
**EP 09750497 A 20090513**

Priority  
• JP 2009058934 W 20090513  
• JP 2008130875 A 20080519

Abstract (en)  
[origin: EP2277985A1] A method for producing particles for supporting a surfactant having a bulk density of 550 g/l or less, including the following steps 1(a) and 2: Step 1(a): mixing a clay mineral powder and a powder raw material excluding the clay mineral, the powder raw material having an oil-absorbing ability of 0.4 ml/g or more; and Step 2: adding water or an aqueous binder solution to a mixed powder obtained in the step 1(a), and forming particles with a low-shearing granulator. According to the present invention, particles for supporting a surfactant having excellent supporting capacity/supporting ability/absorbing rate of a liquid surfactant composition can be obtained by a method without employing spray-drying.

IPC 8 full level  
**B01J 20/02** (2006.01); **B01J 20/04** (2006.01); **C11D 3/12** (2006.01); **C11D 11/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)  
**C11D 3/06** (2013.01); **C11D 3/10** (2013.01); **C11D 3/1253** (2013.01); **C11D 11/0088** (2013.01); **C11D 17/0034** (2013.01); **C11D 17/06** (2013.01); **C11D 17/065** (2013.01)

Citation (search report)  
• [I] DE 102005012638 A1 20060921 - SUEDE CHEMIE AG [DE]  
• See references of WO 2009142135A1

Cited by  
EP1846526B1

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2277985 A1 20110126; EP 2277985 A4 20121128**; AU 2009250634 A1 20091126; AU 2009250634 B2 20121129;  
CN 102015992 A 20110413; CN 102015992 B 20120711; JP 2010001460 A 20100107; JP 5525755 B2 20140618; TW 201000626 A 20100101;  
TW I441917 B 20140621; WO 2009142135 A1 20091126

DOCDB simple family (application)  
**EP 09750497 A 20090513**; AU 2009250634 A 20090513; CN 200980114826 A 20090513; JP 2009058934 W 20090513;  
JP 2009116683 A 20090513; TW 98116580 A 20090519