

Title (en)
Prilled nonionic surfactant granulate

Title (de)
Niotensidgranulate durch Prillen

Title (fr)
Granules de surfactant nonionique et procédé d'obtention

Publication
EP 1106678 A3 20030604 (DE)

Application
EP 00126126 A 20001130

Priority
DE 19959915 A 19991211

Abstract (en)
[origin: EP1106678A2] Granulate of nonionic surfactants that are liquid at room temperature contains a solidified polymer melt as carrier and less than 10 wt.% inorganic carrier. Independent claims are also included for: (a) the production of the granulate; and (b) laundry and other detergents containing the granulate.

IPC 1-7
C11D 17/06; **C11D 1/66**; **C11D 3/37**; **C11D 11/02**; **C11D 1/825**; **C11D 3/32**; **C11D 3/20**; **C11D 3/18**

IPC 8 full level
C11D 1/66 (2006.01); **C11D 3/37** (2006.01); **C11D 11/02** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP US)
C11D 1/66 (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 3/18** (2013.01 - EP US); **C11D 3/2006** (2013.01 - EP US);
C11D 3/2079 (2013.01 - EP US); **C11D 3/37** (2013.01 - EP US); **C11D 3/3707** (2013.01 - EP US); **C11D 11/0082** (2013.01 - EP US);
C11D 17/0034 (2013.01 - EP US); **C11D 17/0039** (2013.01 - EP US); **C11D 17/06** (2013.01 - EP US); **C11D 17/065** (2013.01 - EP US)

Citation (search report)
• [X] US 5739094 A 19980414 - BOWMAN JOHN PATRICK [US], et al
• [X] US 4545917 A 19851008 - SMITH JAMES A [US], et al
• [EL] DE 10021113 A1 20011115 - HENKEL KGAA [DE]
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• [A] US 4088431 A 19780509 - JOHNSON ARCHIBALD HORACE, et al

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1106678 A2 20010613; **EP 1106678 A3 20030604**; **EP 1106678 B1 20060906**; AT E338811 T1 20060915; CA 2327968 A1 20010611;
DE 19959915 A1 20010705; DE 50013430 D1 20061019; ES 2270777 T3 20070416; US 2001014657 A1 20010816

DOCDB simple family (application)
EP 00126126 A 20001130; AT 00126126 T 20001130; CA 2327968 A 20001211; DE 19959915 A 19991211; DE 50013430 T 20001130;
ES 00126126 T 20001130; US 73408400 A 20001211