

Title (en)

MINERAL PIGMENT MICROPARTICLES COVERED WITH A CHITIN LAYER

Title (de)

MIT CHITIN BESCHICHTETE MINERALPIGMENTMIKROTEILCHEN

Title (fr)

MICROPARTICULES DE PIGMENTS MINERAUX ENROBEES D'UNE COUCHE DE CHITINE

Publication

EP 0885265 A1 19981223 (FR)

Application

EP 97947106 A 19971120

Priority

- FR 9702096 W 19971120
- FR 9614216 A 19961121

Abstract (en)

[origin: FR2755972A1] The invention concerns mineral pigment microparticles, characterised in that they are covered with a chitin or chitin derivative layer optionally containing one or several organic substances. The invention also concerns the compacted forms of these microparticles, with fast splitting, optionally filled with an active, in particular phytosanitary, substance. The invention finally concerns a method for preparing mineral pigment microparticles covered with a chitin or chitin derivative layer characterised in that a) mineral pigment microparticles in suspension are contacted with a solution of salified chitosan or chitosan derivatives so as to cause the coacervation of the chitosan or the chitosan derivatives around the pigment microparticles, b) the covered microparticles are then subjected to an acetylation reaction.

IPC 1-7

C09C 3/10; **C09C 1/00**; **C09D 11/00**; **C09D 7/12**; **A01C 1/06**; **A61K 9/48**; **A61K 35/74**; **A01N 25/26**; **A61K 7/50**; **B01J 2/00**

IPC 8 full level

A01C 1/06 (2006.01); **A01N 25/26** (2006.01); **A01N 25/28** (2006.01); **A61K 8/11** (2006.01); **A61K 8/73** (2006.01); **A61K 9/14** (2006.01); **A61K 35/74** (2006.01); **A61Q 1/02** (2006.01); **B01J 2/00** (2006.01); **B01J 13/02** (2006.01); **C09C 1/00** (2006.01); **C09C 3/10** (2006.01); **C09D 7/62** (2018.01); **C09D 11/02** (2006.01); **C09D 17/00** (2006.01); **C09D 105/08** (2006.01)

CPC (source: EP US)

A01C 1/06 (2013.01 - EP US); **A61K 8/11** (2013.01 - EP); **A61K 8/736** (2013.01 - EP); **A61Q 1/02** (2013.01 - EP); **B01J 13/02** (2013.01 - EP); **C09C 1/0015** (2013.01 - EP); **C09C 1/0021** (2013.01 - EP); **C09C 3/10** (2013.01 - EP); **C09D 7/62** (2017.12 - EP US); **C09D 7/69** (2017.12 - EP); **C09D 11/037** (2013.01 - EP); **A61K 2800/412** (2013.01 - EP); **A61K 2800/43** (2013.01 - EP); **C01P 2004/61** (2013.01 - EP); **C08K 9/08** (2013.01 - EP); **C09C 2200/405** (2013.01 - EP); **C09C 2220/10** (2013.01 - EP)

Citation (search report)

See references of WO 9822540A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

FR 2755972 A1 19980522; **FR 2755972 B1 20040402**; AU 5227598 A 19980610; CN 1212004 A 19990324; EP 0885265 A1 19981223; IL 125362 A0 19990312; WO 9822540 A1 19980528

DOCDB simple family (application)

FR 9614216 A 19961121; AU 5227598 A 19971120; CN 97192491 A 19971120; EP 97947106 A 19971120; FR 9702096 W 19971120; IL 12536297 A 19971120