

Title (en)
SLOW RELEASE MICROCAPSULES

Title (de)
MIKROKAPSELN MIT VERZÖGERTEM RELEASE

Title (fr)
MICROCAPSULES A LIBERATION RETARDEE

Publication
EP 1063970 A1 20010103 (DE)

Application
EP 99908958 A 19990312

Priority
• DE 19813010 A 19980325
• EP 9901625 W 19990312

Abstract (en)
[origin: WO9948479A1] The inventive method for producing microcapsules is characterised in that a) in one step, liquid drops of an aqueous solution (1) containing at least one water-soluble polyanion are added to an aqueous solution (2) containing the following: 0.1 to 5 wt. % calcium cations; and 0.1 to 5 wt. % hydrolyzed chitosan with a number average molecular weight of between 2,200 and 40,000 g/mol., obtained by partial hydrolysis of a chitosan with a number average molecular weight of more than 50,000 g/mol. in an aqueous solution containing 0.1 to 4 N HCl at a temperature of between 50 and 95 DEG C for 0.5 to 8 hours, the weight ratio of the solution containing HCl to usual commercial chitosan being between 1 and 50 and the product of normality of the HCl solution and the duration of hydrolysis in hours being between 0.1 and 7; and in that b) once the addition of solution 1 is complete, the resulting microcapsules remain in solution 2 for a duration of 15 to 360 minutes, preferably 60 to 180 minutes.

IPC 1-7
A61K 9/16

IPC 8 full level
A61K 8/11 (2006.01); **A61K 8/73** (2006.01); **A61K 9/16** (2006.01); **A61K 9/50** (2006.01); **A61K 47/36** (2006.01); **A61Q 13/00** (2006.01); **B01J 13/02** (2006.01); **B01J 13/10** (2006.01)

CPC (source: EP)
A61K 8/11 (2013.01); **A61K 8/736** (2013.01); **A61K 9/1652** (2013.01); **A61Q 13/00** (2013.01); **B01J 13/10** (2013.01); **A61K 2800/412** (2013.01)

Citation (search report)
See references of WO 9948479A1

Designated contracting state (EPC)
AT BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9948479 A1 19990930; AU 2836599 A 19991018; AU 736941 B2 20010809; CA 2325554 A1 19990930; DE 19813010 A1 19991014; EP 1063970 A1 20010103; JP 2002507472 A 20020312

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EP 9901625 W 19990312; AU 2836599 A 19990312; CA 2325554 A 19990312; DE 19813010 A 19980325; EP 99908958 A 19990312; JP 2000537529 A 19990312