

Title (en)
Microcapsules

Title (de)
Mikrokapseln

Title (fr)
Microcapsules

Publication
EP 1657299 A1 20060517 (DE)

Application
EP 04026980 A 20041112

Priority
EP 04026980 A 20041112

Abstract (en)
Aqueous preparation (I) comprises surface-active substances (a) and micro capsules (b) consisting of a covering (obtained by reaction of a protein with an anionic polymer), an oil phase and/or an active agent. An independent claim is also included for a preparation of micro capsules with an average diameter of 0.1-500 micros, comprising pH-induced coacervation of oil phases and/or active substances into a covering (made of proteins and anionic polymers), cross linking the resulting covering by contacting with an aldehyde component; and treating the reaction products (with a large extent of anionic charge in the covering order) with cationic surfactants and/or polymers with neutral or cationic character.

IPC 8 full level
B01J 13/02 (2006.01); **C11D 3/38** (2006.01); **C11D 3/382** (2006.01); **C11D 3/384** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
C11D 3/38 (2013.01); **C11D 3/382** (2013.01); **C11D 3/384** (2013.01); **C11D 17/0039** (2013.01)

Citation (search report)
• [XY] US 5126061 A 19920630 - MICHAEL DANIEL W [US]
• [Y] EP 0674942 A1 19951004 - COPIGRAPH [FR]
• [A] US 4402856 A 19830906 - SCHNORING HILDEGARD [DE], et al
• [A] GB 1478788 A 19770706 - FUJI PHOTO FILM CO LTD
• [A] US 6733790 B1 20040511 - GARCES GARCES JOSEP [ES]
• [A] US 3565753 A 19710223 - YURKOWITZ ISIDORE L
• [A] GB 1343526 A 19740110 - FUJI PHOTO FILM CO LTD

Cited by
FR3041250A1; CN114845803A; EP4082653A4

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1657299 A1 20060517

DOCDB simple family (application)
EP 04026980 A 20041112