

Title (en)

AQUEOUS SOLUTIONS OF COPOLYMERS, PROCESS FOR THEIR PREPARATION AND THEIR USE AS SHELL FORMING MATERIALS FOR THE PRODUCTION OF MICROCAPSULES BY COMPLEX COACERVATION

Publication

**EP 0000565 B1 19810429 (DE)**

Application

**EP 78100470 A 19780721**

Priority

DE 2734577 A 19770730

Abstract (en)

[origin: US4181639A] Aqueous polymer solutions containing water and 5 to 30% by weight of a polymeric mixture of (A) a copolymer, 65 to 90 mole percent of whose structural units, based on polymer, consist of statistically distributed residues of acrylamide and 10 to 35 mole percent of residues of maleic acid or maleic acid anhydride, and which has an intrinsic viscosity [ eta ] of 0.05 to 1 [dl/g], and (B) a copolymer whose structural units consist of statistically distributed polymerized residues of acrylamide, acrylic acid and maleic acid, at least some of the maleic acid residues being present in salt form, which has an intrinsic viscosity [ eta ] of from 0.05 to 1.5 [dl/g] and which contains from 65 to 90 mole percent, based on polymer, of residues of acrylamide and residues of acrylic acid together and from 10 to 35 mole percent of residues of maleic acid, at least some of which are present in salt form, the ratio of weight of copolymer (A) to copolymer (B) being from 1:2 to 20:1.

IPC 1-7

**C08L 33/26**; **B01J 13/02**

IPC 8 full level

**B01J 13/02** (2006.01); **B01J 13/10** (2006.01); **C08L 33/00** (2006.01); **C08L 33/02** (2006.01); **C08L 33/24** (2006.01); **C08L 33/26** (2006.01)

CPC (source: EP US)

**B01J 13/10** (2013.01 - EP US); **C08L 33/26** (2013.01 - EP US); **C08L 2205/02** (2013.01 - EP US)

C-Set (source: EP US)

**C08L 33/26** + **C08L 2666/04**

Designated contracting state (EPC)

BE CH DE FR GB NL SE

DOCDB simple family (publication)

**EP 0000565 A1 19790207**; **EP 0000565 B1 19810429**; DE 2734577 A1 19790208; DE 2860645 D1 19810806; DK 335578 A 19790131; IT 1106614 B 19851111; IT 7850520 A0 19780728; JP S5426843 A 19790228; JP S627948 B2 19870219; US 4181639 A 19800101

DOCDB simple family (application)

**EP 78100470 A 19780721**; DE 2734577 A 19770730; DE 2860645 T 19780721; DK 335578 A 19780728; IT 5052078 A 19780728; JP 9165278 A 19780728; US 92789578 A 19780725