

Title (en)
HOMOGENEOUS TERPOLYMERS OF VINYL PYRROLIDONE, A QUATERNARY AMMONIUM MONOMER AND A HYDROPHOBIC MONOMER

Title (de)
HOMOGENE TERPOLYMERE AUS VINYLPIRROLIDON, EINEM QUARTERNÄREN AMMONIUMMONOMER UND EINEM HYDROPHOBEN MONOMER

Title (fr)
TERPOLYMERES HOMOGENES DE PYRROLIDONE DE VINYLE, MONOMERE D'AMMONIUM QUATERNAIRE ET MONOMERE HYDROPHOBE

Publication
EP 0800540 A4 19981209 (EN)

Application
EP 95943076 A 19951213

Priority

- US 9516127 W 19951213
- US 36526094 A 19941228
- US 36552594 A 19941228

Abstract (en)
[origin: WO9620227A1] A homogeneous polymerization process is described for making substantially homogeneous terpolymers of, by weight, 55-99 %, preferably 65-95 % of vinyl pyrrolidone; 0.5-49 %, preferably 1-25 % of a quaternary amino monomer, preferably 3-methacrylamidopropyl trimethylammonium chloride; and 0.5-49 %, preferably 1-25 %, of a hydrophobic monomer, preferably octadecyl methacrylate. The homogeneous terpolymer provides dual hair styling and conditioning functions in hair care applications.

IPC 1-7
C08F 26/10; **C08F 22/40**; **C08F 220/10**

IPC 8 full level
C08F 2/06 (2006.01); **A61K 8/81** (2006.01); **A61Q 5/00** (2006.01); **A61Q 5/06** (2006.01); **A61Q 5/12** (2006.01); **C08F 220/18** (2006.01); **C08F 220/34** (2006.01); **C08F 220/56** (2006.01); **C08F 226/06** (2006.01)

CPC (source: EP)
A61K 8/8182 (2013.01); **A61Q 5/00** (2013.01); **A61Q 5/06** (2013.01); **A61Q 5/12** (2013.01)

Citation (search report)

- [A] US 4923694 A 19900508 - SHIH JENN S [US], et al
- [A] US 2100900 A 19371130 - HANS FIKENTSCHER, et al
- See references of WO 9620227A1

Designated contracting state (EPC)
CH DE ES FR GB LI

DOCDB simple family (publication)
WO 9620227 A1 19960704; AU 4421696 A 19960719; AU 700245 B2 19981224; CN 1171120 A 19980121; EP 0800540 A1 19971015; EP 0800540 A4 19981209; JP H10511422 A 19981104

DOCDB simple family (application)
US 9516127 W 19951213; AU 4421696 A 19951213; CN 95197087 A 19951213; EP 95943076 A 19951213; JP 52047696 A 19951213