

Title (en)

PROPELLANT-GAS-FREE PUMP SPRAYS AND PUMP MOUSSES

Title (de)

TREIBGASFREIE PUMPSPRAYS UND PUMPSCHÄUME

Title (fr)

MATIERES PULVERISABLES POMPABLES ET MATIERES MOUSSANTES POMPABLES SANS GAZ PROPULSEUR

Publication

**EP 1028700 A1 20000823 (DE)**

Application

**EP 98959839 A 19981104**

Priority

- DE 19750520 A 19971114
- EP 9807027 W 19981104

Abstract (en)

[origin: DE19750520A1] A hair treatment composition (1) in the form of propellant-free pump-applied spray and foam contains at least one cationic polymer and at least one anionic polymer. An Independent claim is also included for a propellant- and polysiloxane-free leave-on hair treatment composition (2) containing a copolymer with vinylpyrrolidone units and a methacrylic acid / ethyl acrylate copolymer, dissolved in a solvent.

IPC 1-7

**A61K 7/06**

IPC 8 full level

**A61K 8/00** (2006.01); **A61K 8/04** (2006.01); **A61K 8/34** (2006.01); **A61K 8/73** (2006.01); **A61K 8/81** (2006.01); **A61Q 5/00** (2006.01);  
**A61Q 5/06** (2006.01)

CPC (source: EP US)

**A61K 8/046** (2013.01 - EP US); **A61K 8/731** (2013.01 - EP US); **A61K 8/737** (2013.01 - EP US); **A61K 8/8152** (2013.01 - EP US);  
**A61K 8/8182** (2013.01 - EP US); **A61Q 5/00** (2013.01 - EP US); **A61Q 5/06** (2013.01 - EP US); **A61K 2800/5424** (2013.01 - EP US);  
**A61K 2800/5426** (2013.01 - EP US); **A61K 2800/594** (2013.01 - EP US)

Citation (search report)

See references of WO 9925311A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**DE 19750520 A1 19990520**; EP 1028700 A1 20000823; JP 2001522869 A 20011120; US 6482394 B1 20021119; WO 9925311 A1 19990527

DOCDB simple family (application)

**DE 19750520 A 19971114**; EP 9807027 W 19981104; EP 98959839 A 19981104; JP 2000520745 A 19981104; US 53037200 A 20000427