

Title (en)

FLUORINE-EFFICIENT OIL AND WATER REPELLENT COMPOSITIONS.

Title (de)

Fluorhaltige Oel- und Wasserabweisende Zusammensetzungen.

Title (fr)

COMPOSITIONS HYDROPHOBES ET OLEOPHOBES UTILISANT EFFICACEMENT LE FLUOR.

Publication

EP 0646196 A1 19950405 (EN)

Application

EP 92909526 A 19920124

Priority

- US 9200592 W 19920124
- US 67955891 A 19910402

Abstract (en)

[origin: WO9217636A1] Compositions comprising a fluorocatalytic agent, a copolymer extender, and a blocked isocyanate extender. The extenders in combination improve the fluorine-efficiency of the fluorocatalytic agent to a greater degree than either of the extenders alone. Also disclosed are substrates treated with such compositions, methods for imparting oil- and water-repellent properties to a substrate, and methods for improving the fluorine-efficiency of a fluorocatalytic agent.

IPC 1-7

D06M 15/277; D06M 15/263; D06M 15/564

IPC 8 full level

C08F 220/18 (2006.01); **C08F 20/52** (2006.01); **C08F 220/10** (2006.01); **C08F 220/58** (2006.01); **C08G 18/62** (2006.01); **C08G 18/80** (2006.01); **C08K 5/29** (2006.01); **C08L 33/00** (2006.01); **C08L 33/04** (2006.01); **C08L 75/00** (2006.01); **C08L 75/04** (2006.01); **C09D 157/02** (2006.01); **C09D 175/00** (2006.01); **C09K 3/18** (2006.01); **D06M 15/256** (2006.01); **D06M 15/263** (2006.01); **D06M 15/277** (2006.01); **D06M 15/564** (2006.01); **D21H 19/24** (2006.01); **D06M 101/00** (2006.01); **D06M 101/02** (2006.01); **D06M 101/06** (2006.01); **D06M 101/08** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/32** (2006.01); **D06M 101/34** (2006.01)

CPC (source: EP)

D06M 15/263 (2013.01); **D06M 15/277** (2013.01); **D06M 15/564** (2013.01)

Citation (search report)

See references of WO 9217636A1

Cited by

US6479605B1; US6309752B1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

WO 9217636 A1 19921015; BR 9205831 A 19940802; CA 2105276 A1 19921003; DE 69212505 D1 19960829; DE 69212505 T2 19970227; EP 0646196 A1 19950405; EP 0646196 B1 19960724; JP 3294266 B2 20020624; JP H06506966 A 19940804; KR 100214319 B1 19990802

DOCDB simple family (application)

US 9200592 W 19920124; BR 9205831 A 19920124; CA 2105276 A 19920124; DE 69212505 T 19920124; EP 92909526 A 19920124; JP 50874192 A 19920124; KR 930702857 A 19930923