

Title (en)
USE OF MULTI-BLOCK COPOLYMERS AS THERMO-THICKENERS

Title (de)
VERWENDUNG VON MULTIBLOCK-COPOLYMEREN ALS THERMO-EINDICKER

Title (fr)
UTILISATION EN TANT QU'AGENTS THERMOEPAISSISSANTS DE COPOLYMERES MULTIBLOCS

Publication
EP 0865477 A1 19980923 (FR)

Application
EP 96930227 A 19960906

Priority
• FR 9601373 W 19960906
• FR 9510517 A 19950908

Abstract (en)
[origin: WO9709400A1] The invention concerns the use as thermo-thickeners of multi-block copolymers of general formula (I) or (II), in which: E designates a polyoxyalkylene sequence, each alkylene member having at most 6 carbon atoms; A designates a water-soluble polymer sequence produced from at least one monomer selected from ethylene monomers; X is a sulphur or oxygen atom; Y is an oxygen atom or an -N-R' group, R' being a linear or branched alkyl group optionally comprising at least one heteroatom and a tertiary amine group, or a C3-C8 cycloalkyl radical, or an aryl, aralkyl or alkylaryl group; R is a linear or branched alkyl, aralkyl or alkylaryl group; and n is such that the molecular mass of the multi-block copolymers Mp is greater than 250 000 g/mol.

IPC 1-7
C10M 119/18; **C10M 119/06**; **C10M 173/02**; **C09K 7/02**; **C09D 7/12**; **E21B 33/13**; **C08G 81/02**

IPC 8 full level
C09D 7/00 (2006.01); **C09K 8/12** (2006.01); **C09K 8/24** (2006.01); **C10M 119/24** (2006.01); **C10M 119/26** (2006.01); **C10M 173/02** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP US)
C09D 7/43 (2017.12 - EP US); **C09K 8/12** (2013.01 - EP US); **C09K 8/24** (2013.01 - EP US); **C10M 119/24** (2013.01 - EP US); **C10M 119/26** (2013.01 - EP US); **C10M 173/02** (2013.01 - EP US); **C11D 3/37** (2013.01 - EP US); **C10M 2201/02** (2013.01 - EP US); **C10M 2217/00** (2013.01 - EP US); **C10M 2217/02** (2013.01 - EP US); **C10M 2217/04** (2013.01 - EP US); **C10M 2221/00** (2013.01 - EP US); **C10M 2221/04** (2013.01 - EP US); **C10M 2221/041** (2013.01 - EP US); **C10M 2221/043** (2013.01 - EP US); **C10N 2040/06** (2013.01 - EP US); **C10N 2040/08** (2013.01 - EP US); **C10N 2050/01** (2020.05 - EP US)

Citation (search report)
See references of WO 9709400A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9709400 A1 19970313; AU 6934896 A 19970327; EP 0865477 A1 19980923; FR 2738573 A1 19970314; FR 2738573 B1 19971017; US 6124382 A 20000926

DOCDB simple family (application)
FR 9601373 W 19960906; AU 6934896 A 19960906; EP 96930227 A 19960906; FR 9510517 A 19950908; US 2970298 A 19980908