

Title (en)

COMPOSITION FOR INCREASING THE LIPOPHOBICITY OF A WATCH-MAKING COMPONENT

Title (de)

ZUSAMMENSETZUNG ZUR ERHÖHUNG DER LIPOPHOBIE EINER KOMPONENTE ZUR UHRHERSTELLUNG

Title (fr)

COMPOSITION POUR AUGMENTER LA LIPOPHOBICITE D'UN COMPOSANT HORLOGER

Publication

EP 2655577 A1 20131030 (FR)

Application

EP 11807913 A 20111221

Priority

- EP 10306507 A 20101223
- EP 2011073657 W 20111221
- EP 11807913 A 20111221

Abstract (en)

[origin: WO2012085130A1] The present invention describes the highly advantageous properties of a mixture of thiol-perfluoropolyether (PFPE) molecules with perfluorinated bisphosphonic (PF-BP) compounds. This mixture makes it possible in effect to obtain a lipophobic behaviour (also referred to as "epilame" effect) with common watch-making lubricants on all the materials tested, including metals, inter alia gold and alloys thereof, ceramics and semiconductors, and gives the surface treated a good resistance to ageing and to cleaning products.

IPC 8 full level

C10M 105/04 (2006.01); **C10M 107/00** (2006.01); **C10M 111/04** (2006.01); **G04B 31/08** (2006.01); **C10N 30/06** (2006.01); **C10N 40/06** (2006.01); **C10N 50/02** (2006.01); **C10N 80/00** (2006.01)

CPC (source: EP US)

C10M 105/04 (2013.01 - EP US); **C10M 107/00** (2013.01 - EP US); **C10M 111/04** (2013.01 - EP US); **C23C 22/02** (2013.01 - US); **C23C 22/03** (2013.01 - US); **G04B 31/08** (2013.01 - EP US); **C10M 2219/081** (2013.01 - EP US); **C10M 2219/082** (2013.01 - EP US); **C10M 2219/09** (2013.01 - EP US); **C10M 2223/06** (2013.01 - EP US); **C10M 2223/0603** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/06** (2013.01 - EP US); **C10N 2050/02** (2013.01 - EP US); **C10N 2080/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2012085130A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012085130 A1 20120628; CN 103476908 A 20131225; CN 103476908 B 20151216; EP 2655577 A1 20131030; EP 2655577 B1 20140423; JP 2014504920 A 20140227; JP 5537745 B2 20140702; US 2013287955 A1 20131031; US 9714469 B2 20170725

DOCDB simple family (application)

EP 2011073657 W 20111221; CN 201180065684 A 20111221; EP 11807913 A 20111221; JP 2013545377 A 20111221; US 201113996634 A 20111221