Title (en)

CLEANING COMPOSITIONS FOR GLASS SURFACES

Title (de)

REINIGUNGSMITTEL FÜR GLASOBERFLÄCHEN

Title (fr)

AGENT DE NETTOYAGE POUR SURFACES EN VERRE

Publication

EP 2109663 B1 20100929 (DE)

Application

EP 07802796 A 20070822

Priority

- EP 2007058724 W 20070822
- DE 102006057632 A 20061205

Abstract (en)

[origin: WO2008068061A1] The invention relates to the use of multi-armed silyl polyalkoxylates of the formula (I), (H-A)_n-Z-[A-B-Si(OR¹)_r(R²)_{3-r}]_m (I), where Z is an (m+n)-valent radical having at least three carbon atoms, A is a divalent polyoxyalkylene radical, wherein the m+n polyoxyalkylene radicals bound to Z can be different from one another, and wherein one radical A in each case is bound to Z via an oxygen atom belonging to Z and one oxygen atom belonging to A is bound to B or hydrogen, B is a chemical bond or a divalent organic radical having 1 to 50 carbon atoms, OR¹ is a hydrolysable group, R¹ and R² independently of one another are a linear or branched alkyl group having 1 to 6 carbon atoms and r is an integer from 1 to 3, and m is an integer ' 1 and n is 0 or an integer ' 1, and m+n has a value from 3 to 100, for reducing glass corrosion and/or for improving the drying performance during mechanical cleaning of a glass surface. The invention further relates to compositions, in particular for the cleaning of glass surfaces, which compositions contain compounds of the formula (I).

IPC 8 full level

C11D 11/00 (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP US)

C11D 3/3738 (2013.01 - EP US); C11D 2111/18 (2024.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008068061 A1 20080612; AT E483014 T1 20101015; DE 502007005234 D1 20101111; EP 2109663 A1 20091021; EP 2109663 B1 20100929; PL 2109663 T3 20110429; US 2009298736 A1 20091203; US 7897554 B2 20110301

DOCDB simple family (application)

EP 2007058724 W 20070822; AT 07802796 T 20070822; DE 502007005234 T 20070822; EP 07802796 A 20070822; PL 07802796 T 20070822; US 47832509 A 20090604