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(54) **Title:** COMPOSITION CONTAINING ANTI-MISTING COMPONENT

(57) **Abstract:** The invention relates to coating formulations comprising (i) a silicone-based coating component susceptible to misting under mist-producing conditions; and (ii) an anti-misting amount of a branched polysiloxane component resulting from copolymerizing under hydrosilylation conditions a component mixture comprising (a) one or more organosilicon compounds containing at least two unsaturated hydrocarbon functional groups per molecule, and (b) one or more silylhydride-containing compounds containing at least two silylhydride functional groups per molecule, with the provision that (i) at least one component (a) or (b) contains at least three functional groups per molecule; (ii) a component (a) or (b) having a higher number of functional groups per molecule is present in a molar amount equal to or lower than a molar amount of the other component (a) or (b) having a lower number of functional groups per molecule; and (iii) unsaturated hydrocarbon compounds are excluded from the component mixture. The invention also relates to a process for coating a substrate with the above coating formulation, as well as hardened silicone-based coatings or films obtained by subjecting the coated substrate to one or more curing steps.

**INTERNATIONAL SEARCH REPORT**

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. C09D183/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 036 117 A (CHUNG KYUHA [US] ET AL) 30 July 1991 (1991-07-30) column 1, line 51 - column 2, line 15; example 38	1-28
X	US 6 805 914 B2 (CLARK JOSEPH NORBERT [US] ET AL) 19 October 2004 (2004-10-19) example 11	1-28
X	US 6 586 535 B1 (CLARK JOSEPH NORBERT [US] ET AL) 1 July 2003 (2003-07-01) example 1	1-28

Further documents are listed in the continuation of Box C.

See patent family annex.

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Information on patent family members

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