

Title (en)

DEEP-CURE MOISTURE-CURING RTV SILICONE COMPOSITION

Title (de)

FEUCHTIGKEITSHÄRTENDE RTV-SILIKONZUSAMMENSETZUNG MIT HOMOGENER TIEFENHÄRTUNG

Title (fr)

COMPOSITION DE SILICONE RTV DURCISSANT À L'HUMIDITÉ PRÉSENTANT UN DURCISSEMENT EN PROFONDEUR HOMOGÈNE

Publication

EP 3841179 A1 20210630 (DE)

Application

EP 19755928 A 20190823

Priority

- EP 18190795 A 20180824
- EP 2019072549 W 20190823

Abstract (en)

[origin: WO2020039057A1] The invention relates to a moisture-curing, condensation-crosslinking silicone composition, which can be used as an elastic adhesive or sealant. The silicone composition is characterized by a homogeneous deep cure so that it hardens through without cracking even when moved. The silicone composition contains at least one polydiorganyl siloxane with end groups Si(OR)₃, at least one condensation catalyst and at least one crosslinker with hydrolyzable moieties, characterized in that the polymer end groups Si(OR)₃ have a reaction rate in the crosslinking reaction that is at least the same, preferably higher than that of the hydrolyzable moieties of the at least one crosslinker.

IPC 8 full level

C09J 183/04 (2006.01); **C08L 83/04** (2006.01); **C08L 83/06** (2006.01); **C08L 83/08** (2006.01); **C09J 183/06** (2006.01); **C09J 183/08** (2006.01)

CPC (source: EP US)

C08G 77/18 (2013.01 - US); **C08G 77/22** (2013.01 - US); **C08L 83/04** (2013.01 - EP); **C08L 83/06** (2013.01 - EP US); **C08L 83/08** (2013.01 - EP US); **C09J 183/04** (2013.01 - EP); **C09J 183/06** (2013.01 - EP US); **C09J 183/08** (2013.01 - EP US); **C08G 77/18** (2013.01 - EP)

Citation (search report)

See references of WO 2020039057A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020039057 A1 20200227; EP 3841179 A1 20210630; US 2021179904 A1 20210617

DOCDB simple family (application)

EP 2019072549 W 20190823; EP 19755928 A 20190823; US 201917270792 A 20190823