

Title (en)
SINGLE-COMPONENT POLYSILOXANE NON-SKID / NON-SLIP COATINGS

Title (de)
EINKOMPONENTIGE RUTSCHFESTE/GLEITSICHERE POLYSILOXANBESCHICHTUNGEN

Title (fr)
REVÊTEMENTS ANTIDÉRAPANTS/ANTIGLISSE À BASE DE POLYSILOXANE À UN SEUL COMPOSANT

Publication
EP 3983495 A4 20230614 (EN)

Application
EP 20823474 A 20200615

Priority
• US 201962861490 P 20190614
• US 202016733268 A 20200103
• US 2020037825 W 20200615

Abstract (en)
[origin: WO2020252490A1] Disclosed is a composition having: an organosilane polymer, a polyamide polymer; and an abrasive aggregate. The organosilane is made by: reacting an amino-functional alkoxysilane with one or more polyisocyanates to form one or more adducts having an unreacted isocyanate group; and reacting the adducts with one or more polyfunctional amino- and/or hydroxyl compounds so that the polymer contains no unreacted isocyanate groups. The polyfunctional amino- and/or hydroxyl compound has a cycloaliphatic group or an aromatic group. The composition can be used to make a single-component polysiloxane non-skid / non-slip coating that is applied by rolling, spraying, or troweling and cures with atmospheric moisture.

IPC 8 full level
C09K 3/14 (2006.01); **C08G 18/28** (2006.01); **C08G 18/32** (2006.01); **C08G 18/79** (2006.01); **C08G 18/80** (2006.01); **C08K 3/22** (2006.01); **C08L 77/00** (2006.01); **C09D 175/04** (2006.01)

CPC (source: EP KR)
C08G 18/289 (2013.01 - EP KR); **C08G 18/3234** (2013.01 - EP KR); **C08G 18/798** (2013.01 - EP KR); **C08G 18/809** (2013.01 - EP KR); **C08K 3/013** (2017.12 - KR); **C08L 77/00** (2013.01 - EP KR); **C09D 175/04** (2013.01 - EP KR); **C09K 3/149** (2013.01 - EP KR); **C08K 2003/2241** (2013.01 - EP); **C08K 2201/003** (2013.01 - EP); **C08K 2201/009** (2013.01 - EP)

C-Set (source: EP)
C09D 175/04 + C08K 3/013 + C08L 77/00

Citation (search report)
• [IA] US 9587143 B2 20170307 - IEZZI ERICK B [US]
• See references of WO 2020252490A1

Designated contracting state (EPC)
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DOCDB simple family (application)
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