

Title (en)
BIOCIDAL COATING MATERIAL AND ASSOCIATED PRODUCTION PROCESS

Title (de)
BIOZIDES BESCHICHTUNGSMATERIAL UND DAZUGEHÖRIGES HERSTELLUNGSVERFAHREN

Title (fr)
MATÉRIAU DE REVÊTEMENT BIOCIIDE ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication
EP 3762438 A1 20210113 (DE)

Application
EP 19708111 A 20190305

Priority
• EP 18160234 A 20180306
• EP 2019055413 W 20190305

Abstract (en)
[origin: WO2019170653A1] The invention relates to a biocidal coating material and an associated production process. The process comprises the steps of: (i) providing a ureamine component obtainable by reaction of a) an aliphatic or araliphatic di- or triisocyanate with b) a mixture of a first amine having a primary or secondary amine group and one or more second amines having 2 or more primary or secondary amine groups, wherein a ratio of the sum of the primary and secondary amine groups to the isocyanate groups is 10:1 to 2:1; (ii) providing an epoxide component which comprises one or more aliphatic polyfunctional glycidyl ethers; and (iii) reacting the ureamine component with the epoxide component, wherein a ratio of the epoxide groups of the epoxide component to the amine groups of the ureamine component is 0.25:1 to 1:0.25.

IPC 8 full level
C08G 18/10 (2006.01); **C08G 18/28** (2006.01); **C08G 18/32** (2006.01); **C08G 18/48** (2006.01); **C08G 18/72** (2006.01); **C08G 18/73** (2006.01); **C08G 18/75** (2006.01); **C08G 18/80** (2006.01); **C08G 59/32** (2006.01); **C08G 59/38** (2006.01); **C08G 59/50** (2006.01); **C09D 163/00** (2006.01)

CPC (source: EP)
C08G 18/10 (2013.01); **C08G 18/2865** (2013.01); **C08G 18/3228** (2013.01); **C08G 18/3234** (2013.01); **C08G 18/4854** (2013.01); **C08G 18/722** (2013.01); **C08G 18/73** (2013.01); **C08G 18/753** (2013.01); **C08G 18/755** (2013.01); **C08G 18/8016** (2013.01); **C08G 59/1477** (2013.01); **C09D 163/00** (2013.01)

Citation (search report)
See references of WO 2019170653A1

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)
EP 3536725 A1 20190911; EP 3762438 A1 20210113; WO 2019170653 A1 20190912

DOCDB simple family (application)
EP 18160234 A 20180306; EP 19708111 A 20190305; EP 2019055413 W 20190305