

Title (en)

POLYMERIZABLE COMPOSITION FOR PRODUCING A POLYACRYLAMIDE HYDROGEL FOR FIRE-RETARDANT GLAZING, CORRESPONDING PRODUCTION PROCESSES AND USES

Title (de)

POLYMERISIERBARE ZUSAMMENSETZUNG ZUR HERSTELLUNG EINES POLYACRYLAMID-HYDROGELS FÜR EINE BRANDSCHUTZVERGLASUNG, ENTSPRECHENDE HERSTELLUNGSVERFAHREN UND VERWENDUNGEN

Title (fr)

COMPOSITION POLYMÉRISABLE POUR LA PRODUCTION D'UN HYDROGEL DE POLYACRYLAMIDE POUR VITRAGE IGNIFUGE, PROCESSUS DE PRODUCTION ET UTILISATIONS CORRESPONDANTS

Publication

**EP 4301594 A1 20240110 (DE)**

Application

**EP 22708155 A 20220228**

Priority

- EP 21159826 A 20210301
- EP 2022054938 W 20220228

Abstract (en)

[origin: WO2022184619A1] What is described is a polymerizable composition for producing a polyacrylamide hydrogel, a corresponding polyacrylamide hydrogel, and fire-retardant glazing comprising an aforementioned polymerizable composition or an aforementioned polyacrylamide hydrogel. Also described is a process for producing fire-retardant glazing as well as the use of an aforementioned polymerizable composition and/or an aforementioned polyacrylamide hydrogel, in each case as fire retardant for fire-retardant glazing and/or in the production of fire-retardant glazing. Also disclosed is the use of one or more polyhydroxy compounds, in particular glycerol, for improving adhesion of a polyacrylamide hydrogel to fire-retardant glazing.

IPC 8 full level

**B32B 17/06** (2006.01); **C09D 133/26** (2006.01); **C09K 21/14** (2006.01); **E06B 5/16** (2006.01)

CPC (source: EP IL KR)

**B32B 17/069** (2013.01 - EP IL KR); **B32B 17/10917** (2013.01 - IL KR); **C09D 133/26** (2013.01 - EP IL KR); **C09K 21/14** (2013.01 - EP IL KR); **B32B 17/10917** (2013.01 - EP); **B32B 2307/3065** (2013.01 - KR)

Citation (search report)

See references of WO 2022184619A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4052900 A1 20220907**; EP 4301594 A1 20240110; IL 305580 A 20231001; KR 20230152097 A 20231102; WO 2022184619 A1 20220909

DOCDB simple family (application)

**EP 21159826 A 20210301**; EP 2022054938 W 20220228; EP 22708155 A 20220228; IL 30558023 A 20230830; KR 20237032928 A 20220228