

Title (en)  
FORMALDEHYDE-FREE SIZING COMPOSITION FOR FIBRES, IN PARTICULAR MINERAL FIBRES, AND RESULTING PRODUCTS.

Title (de)  
FORMALDEHYDFREIE SCHLICHTUNGSZUSAMMENSETZUNG FÜR FASERN, INSBESONDERE MINERALFASERN, UND DARAUS GEWONNENE PRODUKTE

Title (fr)  
COMPOSITION D'ENCOLLAGE EXEMPTÉ DE FORMALDEHYDE POUR FIBRES, NOTAMMENT MINÉRALES, ET PRODUITS RESULTANTS.

Publication  
**EP 2714610 A1 20140409 (FR)**

Application  
**EP 12731069 A 20120525**

Priority  
• FR 1154547 A 20110525  
• FR 2012051182 W 20120525

Abstract (en)  
[origin: WO2012168619A1] The present invention relates to a formaldehyde-free sizing composition for products based on fibres, in particular mineral fibres, such as glass or rock fibres, which comprises: - at least one reducing sugar, - at least one inorganic acid metal salt, - at least one amine, - and at least one compound comprising activated ethylenic unsaturation(s), the inorganic acid metal salt being present in an amount at least equal to 1% of the weight of the reducing sugar. Another subject of the present invention is the products thus obtained, in particular thermal and/or acoustic insulators based on mineral wool and veils of nonwoven mineral fibres, and the process for the manufacture thereof.

IPC 8 full level  
**C03C 25/26** (2006.01); **C03C 25/34** (2006.01); **C08G 12/00** (2006.01); **D06M 13/00** (2006.01)

CPC (source: EP US)  
**C03C 25/26** (2013.01 - EP US); **C03C 25/34** (2013.01 - EP US); **D04H 1/64** (2013.01 - EP US); **D04H 3/12** (2013.01 - EP US); **D06M 13/50** (2013.01 - US); **D06M 13/53** (2013.01 - US); **Y10T 428/2958** (2015.01 - EP US)

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

DOCDB simple family (publication)  
**FR 2975689 A1 20121130; FR 2975689 B1 20140228**; BR 112013030054 A2 20160920; BR 112013030054 B1 20201124; CA 2836899 A1 20121213; CA 2836899 C 20190716; CN 103702956 A 20140402; CN 103702956 B 20170517; EA 028979 B1 20180131; EA 201391771 A1 20140331; EP 2714610 A1 20140409; US 2014120348 A1 20140501; US 9388071 B2 20160712; WO 2012168619 A1 20121213

DOCDB simple family (application)  
**FR 1154547 A 20110525**; BR 112013030054 A 20120525; CA 2836899 A 20120525; CN 201280036789 A 20120525; EA 201391771 A 20120525; EP 12731069 A 20120525; FR 2012051182 W 20120525; US 201214119597 A 20120525