

Title (en)

COMPOSITION FOR PERMANENTLY HYDROPHILIZING POLYOLEFIN FIBERS AND USE THEREOF

Title (de)

ZUSAMMENSETZUNG ZUR PERMANENTEN HYDROPHILIERUNG VON POLYOLEFINFASERN UND DEREN VERWENDUNG

Title (fr)

COMPOSITION PERMETTANT L'HYDROPHILISATION PERMANENTE DE FIBRES POLYOLÉFINIQUES ET UTILISATION DE LADITE COMPOSITION

Publication

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Application

EP 13786214 A 20131030

Priority

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Abstract (en)

[origin: WO2014072210A1] The invention relates to a composition for permanently hydrophilizing polyolefin fibers and polyolefin filaments and nonwoven textile products (nonwovens) produced therefrom for use as hygiene articles such as diapers and sanitary napkins or medical articles such as incontinence products, wound dressings, and surgical covers. The composition contains a combination of a non-ionic surfactant, a cationic quaternary ammonium compound, and a neutralized phosphoric acid ester. The fiber products equipped with the composition exhibit improved resistance to wet migration and dry migration and quick liquid absorption.

IPC 8 full level

D06M 13/463 (2006.01); **D06M 13/292** (2006.01); **D06M 13/295** (2006.01); **D06M 15/53** (2006.01)

CPC (source: EP IL US)

D01F 6/04 (2013.01 - IL US); **D04H 3/007** (2013.01 - IL US); **D06M 13/292** (2013.01 - EP IL US); **D06M 13/295** (2013.01 - EP IL US); **D06M 13/463** (2013.01 - EP IL US); **D06M 15/53** (2013.01 - EP IL US); **D06M 2101/20** (2013.01 - EP IL US); **D06M 2200/11** (2013.01 - IL US)

Citation (search report)

See references of WO 2014072210A1

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