

Title (en)
SPUNBONDED NONWOVENS AND THREADS MADE OF LIGNIN-CONTAINING FIBER-FORMING POLYMERS AND A METHOD FOR THE PRODUCTION THEREOF

Title (de)
SPINNVLEIESE UND FÄDEN AUS LIGNINHALTIGEN FASERBILDENDEN POLYMEREN UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
FILÉS-LIÉS ET FILS EN POLYMÈRES FIBROGÈNES CONTENANT DE LA LIGNINE, ET LEUR PROCÉDÉ DE FABRICATION

Publication
EP 3019647 A1 20160518 (DE)

Application
EP 14737224 A 20140707

Priority
• EP 13175599 A 20130708
• EP 2014064483 W 20140707
• EP 14737224 A 20140707

Abstract (en)
[origin: WO2015004074A1] The invention relates to spunbonded nonwovens and yarns made of fiber-forming polymers that can be produced from a spinning material that contains fiber-forming polymers, wherein the spinning material is spun from at least one spinning hole and the spun thread is drawn by gas streams that are continuously accelerated to a high speed by means of a de Laval nozzle, characterized in that the spinning material contains lignin as an additive.

IPC 8 full level
D01D 5/14 (2006.01); **D01F 1/02** (2006.01); **D01F 2/00** (2006.01); **D01F 2/06** (2006.01); **D01F 6/06** (2006.01); **D01F 6/62** (2006.01)

CPC (source: EP)
D01D 5/14 (2013.01); **D01F 1/02** (2013.01); **D01F 2/00** (2013.01); **D01F 2/06** (2013.01); **D01F 6/06** (2013.01); **D01F 6/625** (2013.01)

Citation (search report)
See references of WO 2015004074A1

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 2824224 A1 20150114; EP 3019647 A1 20160518; WO 2015004074 A1 20150115

DOCDB simple family (application)
EP 13175599 A 20130708; EP 14737224 A 20140707; EP 2014064483 W 20140707