

Title (en)
NON-WOVEN FABRIC AND METHOD FOR PRODUCING NON-WOVEN FABRIC

Title (de)
VLIESSTOFF UND VERFAHREN ZUR HERSTELLUNG DES VLIESSTOFFS

Title (fr)
TISSU NON TISSÉ ET PROCÉDÉ DE PRODUCTION DE TISSU NON TISSÉ

Publication
EP 2623657 A4 20160323 (EN)

Application
EP 11828534 A 20110526

Priority

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- JP 2010221941 A 20100930
- JP 2010221940 A 20100930
- JP 2011062083 W 20110526

Abstract (en)
[origin: EP2623657A1] A nonwoven fabric (1) of the invention is a web of filament fibers (2) consolidated by bonding at fusion bonds (3). Parts of the filament fibers (2) are broken to provide fibers (21) each of which has a fixed end (20a) fixed at the fusion bond (3) with the other end (20b) being free and having an increased thickness. In the nonwoven fabric (1), the fibers (21) with a thickened free end (20b) have an increase ratio of tip diameter of 15% or more.

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Citation (search report)

- [A] JP S62177275 A 19870804 - ASAHI CHEMICAL IND
- [XA] WO 2007001270 A1 20070104 - PROCTER & GAMBLE [US], et al
- [A] JP 2008289662 A 20081204 - KAO CORP
- See references of WO 2012042972A1

Cited by
US9993369B2

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)
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