

Title (en)
NETTLE-BASED TEXTILE MATERIAL

Title (de)
TEXTILES MATERIAL AUF BASIS VON BRENNNESSEL

Title (fr)
MATIÈRE TEXTILE À BASE D'ORTIE

Publication
EP 3394334 B1 20221116 (DE)

Application
EP 16836045 A 20161223

Priority
• DE 102015122728 A 20151223
• DE 2016100614 W 20161223

Abstract (en)
[origin: WO2017108036A1] A knitted fabric in the form of a knit of cellulose fibres is claimed, said knitted fabric being characterized in that the fibres contain from 25 to 100%, with respect to the total fibre content, of nettle-based fibres. The claimed knitted fabric is characterized by a good ecobalance, since nettles can grow virtually anywhere in the world under any climatic conditions; long transport routes are not necessary. The further properties of the nettles, such as heat transmission resistance, water vapour transfer resistance and air permeability, are likewise clearly above the values of other materials, and therefore the wearing comfort of the knitted fabric according to the invention is also better than that of other plant-fibre-based materials.

IPC 8 full level
D04B 1/14 (2006.01)

CPC (source: EP)
D04B 1/14 (2013.01)

Citation (examination)
• GB 189908244 A 18990602 - STURM CARL ENGELBERT [DE]
• DE 102004036112 A1 20060216 - FACHHOCHSCHULE KAISERSLAUTERN [DE]
• DI VIRGILIO NICOLA ET AL: "The potential of stinging nettle (*Urtica dioica* L.) as a crop with multiple uses", INDUSTRIAL CROPS AND PRODUCTS, ELSEVIER, NL, vol. 68, 5 September 2014 (2014-09-05), pages 42 - 49, XP029583631, ISSN: 0926-6690, DOI: 10.1016/J.INDCROP.2014.08.012
• BACCI L ET AL: "Fiber yield and quality of fiber nettle (*Urtica dioica* L.) cultivated in Italy", INDUSTRIAL CROPS AND PRODUCTS, ELSEVIER, NL, vol. 29, no. 2-3, 1 March 2009 (2009-03-01), pages 480 - 484, XP025951539, ISSN: 0926-6690, [retrieved on 20081105], DOI: 10.1016/J.INDCROP.2008.09.005

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DOCDB simple family (publication)
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