

Title (en)
Antimicrobial fabric incorporating copper

Title (de)
Antimikrobieller Stoff mit Kupfer

Title (fr)
Tissu antimicrobien comprenant du cuivre

Publication
EP 2848718 A1 20150318 (EN)

Application
EP 14386019 A 20140730

Priority
GR 2013100451 A 20130731

Abstract (en)
The antimicrobial fabric incorporating copper is manufactured with yarns of natural or synthetic origin, which incorporate copper wire, already existing in the market, not requiring extra elaboration, produced on a chain stitch cord knitting machine or a twisting machine. The thread thickness and density of the produced fabric in terms of picks or courses per 10 cm, determine the weight, the quality and designate the end use. The advantage of this fabric, where no chemical method or mechanical depositing of copper oxide particles is used, is the retaining of antimicrobial properties regardless of repeated washing, cleaning or ironing processes during its use, as well as low production cost.

IPC 8 full level
D04B 21/20 (2006.01); **D02G 3/44** (2006.01)

CPC (source: EP)
D02G 3/449 (2013.01); **D04B 21/202** (2013.01); **D10B 2101/20** (2013.01); **D10B 2401/13** (2013.01)

Citation (applicant)
• EP 1008682 A1 20000614 - FIRSTER CO LTD [JP]
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• KR 20010111994 A 20011220 - KIM CHANG HO [KR]
• KR 20040078826 A 20040913 - AN JEONG OH
• JP 2012153994 A 20120816 - MITSUBISHI MATERIALS CORP, et al
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Citation (search report)
• [X] WO 2012007723 A1 20120119 - LUXION HOLDINGS LTD [GB], et al
• [XD] JP 2012153994 A 20120816 - MITSUBISHI MATERIALS CORP, et al
• [X] JP 2004149945 A 20040527 - SEIHOU KK
• [X] KR 20120091773 A 20120820 - KIM SOO BOK [KR]
• [X] WO 2008098386 A1 20080821 - TEXTILMA AG [CH], et al
• [XD] EP 1008682 A1 20000614 - FIRSTER CO LTD [JP]

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

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