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**(54) Title (EN):** ANTIBACTERIAL TWISTED YARN, AND ANTIBACTERIAL YARN AND ANTIBACTERIAL FABRIC PROVIDED WITH ANTIBACTERIAL TWISTED YARN

**(54) Title (FR):** FIL RETORS SOUPLE ANTIBACTÉRIEN, ET FIL ANTIBACTÉRIEN AINSI QUE TISSU ANTIBACTÉRIEN DOTÉS D'UN FIL RETORS SOUPLE ANTIBACTÉRIEN

**(54) Title (JA):** 抗菌撚糸、並びに抗菌撚糸を備える抗菌糸及び抗菌布

**(57) Abstract:**

**(EN):** This antibacterial twisted yarn is characterized by being provided with: long fibers (11) which are made from normal fibers or piezoelectric fibers that with external energy generate a charge, and short fibers/long fibers (12) which are made from piezoelectric fibers in the case that the long fibers (11) are made from normal fibers, and are made from piezoelectric fibers or normal fibers in the case that the long fibers (11) are made from piezoelectric fibers.

**(FR):** Ce fil retors souple antibactérien est caractérisé en ce qu'il comporte : des fibres longues (11) qui sont constituées de fibres normales ou de fibres piézoélectriques qui avec de l'énergie externe génèrent une charge, et de fibres courtes/longues (12) qui sont constituées de fibres piézoélectriques dans le cas où les fibres longues (11) sont constituées de fibres normales, et qui sont constituées de fibres piézoélectriques ou de fibres normales dans le cas où les fibres longues (11) sont constituées de fibres piézoélectriques.

**(JA):** 外部からのエネルギーにより電荷を発生する圧電繊維又は普通繊維からなる長繊維(11)と、長繊維(11)が普通繊維からなる場合は圧電繊維からなり、長繊維(11)が圧電繊維からなる場合は圧電繊維又は普通繊維からなる短繊維長繊維(12)と、を備える、ことを特徴とする。

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European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

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African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM

**Declarations:**

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))