

Title (en)

REINFORCED COMPOSITE FABRIC AND METHOD FOR PREPARING THE SAME

Title (de)

VERSTÄRKTES VERBUNDGEWEBE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

TISSU COMPOSITE RENFORCÉ ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 3266914 A1 20180110 (EN)**

Application

**EP 17152774 A 20170124**

Priority

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Abstract (en)

The present invention provides a method of preparing a reinforced composite fabric. The method includes steps of: forming a high-hardness thermoplastic elastomeric yarn (2) and a low-hardness thermoplastic elastomeric yarn (3) with a melting point from 50°C to 150°C into a fabric; and hot-pressing the fabric under a hot-pressing temperature to form the reinforced composite fabric. The hot-pressing temperature is higher than or equal to the melting point of the low-hardness thermoplastic elastomeric yarn (3) but lower than the melting point of the high-hardness thermoplastic elastomeric yarn (2). The present invention also provides a reinforced composite fabric made by the method. The reinforced composite fabric can be made by a simple and an eco-friendly process, and has the advantages of high tensile strength and high impact strength.

IPC 8 full level

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Citation (search report)

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- [A] JP H04146235 A 19920520 - TEIJIN LTD
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