Title (en)

Conductive yarn, method for its production and its use

Title (de)

Verfahren zur Herstellung eines elektrisch leitenden Garnes, elektrisch leitendes Garn und Verwendung des elektrisch leitenden Garnes

Title (fr)

Fil conducteur, méthode pour sa fabrication et son utilisation

Publication

EP 0816543 A2 19980107 (DE)

Application

EP 97810374 A 19970613

Priority

CH 163896 A 19960701

Abstract (en)

In the production of a yarn (13) with electrical conductivity, the textile component is a slubbing of textile fibres (12) to clad a continuous electrically conductive and coated monofilament metal thread (11) from the side and around it. They are fed directly into the centre of a spinning station (1) of a ring spinner. They are spun together into a cladded yarn where the metal thread (11) is under no drawing tension, while the slubbing (12) is drawn a number of times before entering the spinning station (1). The cladded yarn is taken off for further processing. Also claimed is a cladded yarn, where the electrically conductive metal thread (11) is a coated copper filament.

Abstract (de)

Es wird ein Verfahren zur Herstellung eines elektrisch leitenden Verbundgarnes (13) vorgeschlagen. Dazu wird ein elektrisch leitender monofiler Metallfaden (11) mit textilen Fasern zu einem Verbundgarn (13) versponnen. Ein derartiges Verbundgarn (13) eignet sich besonders zu Herstellung von Geweben und Gestricken. <IMAGE>

IPC 1-7

D02G 3/12

IPC 8 full level

D01F 9/08 (2006.01); **D02G 3/12** (2006.01); **D02G 3/36** (2006.01); **D02G 3/44** (2006.01)

CPC (source: EP US)

D02G 3/12 (2013.01 - EP US); **D02G 3/441** (2013.01 - EP US); Y10T 428/2933 (2015.01 - EP US); Y10T 442/3382 (2015.04 - EP US)

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CH698176B1; DE102006043714A1; EP1176610A1; CH694372A5; DE102006043714B4; WO2010094695A1; EP2325360A1; DE102009052929A1

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