

Title (en)

Method to produce a composite yarn consisting of textile threads and metallic wire, and composite yarn thus produced.

Title (de)

Verfahren zur Herstellung von Verbundgarn aus Textilfäden und Metalldraht, und dadurch produziertes Verbundgarn.

Title (fr)

Procédé pour la production de fil composite de fils textiles et fil métallique, et fil composite ainsi produit.

Publication

**EP 0644283 A1 19950322 (EN)**

Application

**EP 94112329 A 19940808**

Priority

IT UD930186 A 19930917

Abstract (en)

Method to produce a composite yarn (11) consisting of at least one metallic wire (12) and at least two textile threads (13), the method comprising a first step (14) of coupling the metallic wire (12) with at least two pre-doubled textile threads (13) so as to produce a coupled thread (15) in which the metallic wire (12) is positioned in an intermediate zone between the two textile threads (13), and a second twisting step (16) in which the desired twists are imparted to the coupled thread (15), at least the metallic wire (12) in the coupling step being unwound by being drawn from a hank positioned on a stationary swift. Composite yarn (11) which comprises at least one metallic wire (12) and at least two textile threads (13) and is produced with the above method, at least the metallic wire (12) in the coupling step being unwound by being drawn from a hank positioned on a stationary swift and being positioned in the vicinity of a lateral terminal position in the zone of reciprocal contact between the two textile threads (13) and being at least partly covered by the textile threads (13). <IMAGE>

IPC 1-7

**D02G 3/12**

IPC 8 full level

**D02G 3/12** (2006.01)

CPC (source: EP)

**D02G 3/12** (2013.01)

Citation (search report)

- [XP] WO 9324689 A1 19931209 - EUROP VARIATOR S A [LU], et al
- [XA] EP 0445872 A1 19910911 - STAMICARBON [NL], et al
- [A] EP 0250260 A2 19871223 - MITSUBISHI RAYON CO [JP]
- [A] US 4776160 A 19881011 - REES JOHN J M [US]
- [A] US 3987613 A 19761026 - WOODS HERBERT J, et al
- [A] WO 8912706 A1 19891228 - NUKLEARE SICHERHEITS PROD [DE], et al
- [A] US 3882667 A 19750513 - BARRY GERALD F
- [A] DE 2337978 A1 19750206 - NIPPON SEISEN CO LTD
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 512 (C - 898) 26 December 1991 (1991-12-26)

Cited by

KR20010047285A; ES2353094A1; ES2315199A1; US6032450A; EP0816543A3; WO2016084030A1; WO2011009982A1; WO2009034212A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IE IT LI NL SE

DOCDB simple family (publication)

**EP 0644283 A1 19950322; EP 0644283 B1 19981028**; AT E172760 T1 19981115; DE 69414213 D1 19981203; DE 69414213 T2 19990325; DK 0644283 T3 19990712; IT 1262199 B 19960619; IT UD930186 A0 19930917; IT UD930186 A1 19950317; NO 943460 D0 19940916; NO 943460 L 19950320

DOCDB simple family (application)

**EP 94112329 A 19940808**; AT 94112329 T 19940808; DE 69414213 T 19940808; DK 94112329 T 19940808; IT UD930186 A 19930917; NO 943460 A 19940916