

Title (en)
COMPOSITE YARN

Title (de)
VERBUNDGARN

Title (fr)
FIL COMPOSITE

Publication
EP 0900294 B1 19991124 (FR)

Application
EP 97915635 A 19970416

Priority
• FR 9605942 A 19960507
• IB 9700413 W 19970416

Abstract (en)
[origin: WO9742363A1] A composite yarn with a core comprising a continuous yarn, particularly one made of an inorganic material such as glass, and a coated sheath with a matrix consisting of at least one chlorinated polymeric material, e.g. polyvinyl chloride (PVC), and a flame resistant filler incorporated into and distributed within said matrix. Said flame resistant filler includes a ternary composition with a combination of an oxygenated antimony compound, e.g. antimony trioxide, a hydrated metal oxide in which the metal is selected from the group which consists of aluminium, magnesium, tin, zinc and lead, e.g. alumina hydrate, and zinc borate. Furthermore, the total inorganic material content of the yarn is of 4-65 wt % (including said ternary composition).

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D02G 3/04; D02G 3/36

IPC 8 full level
D02G 3/04 (2006.01); **D02G 3/36** (2006.01); **D02G 3/40** (2006.01); **D02G 3/44** (2006.01); **D03D 15/12** (2006.01)

CPC (source: EP US)
D02G 3/404 (2013.01 - EP US); **D02G 3/443** (2013.01 - EP US)

Cited by
FR2933418A1; WO2019202151A1; US10927483B2; US11091874B2; US10870768B2; WO2010001240A1; WO2014013284A1; WO2015162371A1; US9920458B2; WO2020112363A1; WO2023278134A1; FR3080386A1; US11530497B2

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