

Title (en)
Knittable yarn and safety apparel

Title (de)
Strickfähiges Garn und Schutzkleidung

Title (fr)
Fil tricotable et vêtement de protection

Publication
EP 0458343 B1 19960904 (EN)

Application
EP 91108381 A 19910523

Priority
US 52924190 A 19900525

Abstract (en)
[origin: EP0458343A1] Yarn and a knitted safety glove or other article made of the yarn (13), which has a core (10) of at least one strand (20) of high strength liquid crystal polymer fiber such as Vectran HS fiber surrounded by one (12) or two (12,14) wrappings of high strength synthetic fiber, preferably high strength liquid crystal polymer fiber such as Vectran HS fiber or high strength aramid fiber, or high strength stretched polyethylene fiber, or a combination of high strength fibers. One embodiment of the yarn includes a wire strand in the core. In one embodiment the fiber core strand (30) is of 200 to 1500 denier and has one to fifty filaments of 4 to 500 denier. In another embodiment, a second high strength synthetic core strand is included. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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Cited by
US6985133B1; EP0595320A1; US5806295A; EP0816060A3; US5721179A; US6080474A; FR2762761A1; US6162538A; US5851668A; US5976998A; US6103372A; US6126879A; US6127028A; US6159599A; US7121077B2; EP0790335A1; US6210798B1; WO2013156787A1; US6279305B1; US6826898B1; US6779330B1; USRE45778E; US11891729B2; US11905627B2; WO2020210648A1; WO2008102130A1

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