

Title (en)

OPERATIVE DEVICES INSTALLED IN YARNS

Title (de)

IN FÄDEN INSTALLIERTE BETRIEBSFÄHIGE VORRICHTUNGEN

Title (fr)

DISPOSITIFS FONCTIONNELS INSTALLES DANS DES FILS

Publication

EP 1882059 B1 20100707 (EN)

Application

EP 06779056 A 20060516

Priority

- GB 2006001804 W 20060516
- GB 0509963 A 20050516

Abstract (en)

[origin: US2009139198A1] An operative device, such as an electronic chip, apiezso-electric, thermal or optical device, is confined within the filaments of a length of multi-filament yarn. The filaments around the device form a capsule and the filaments can be bonded to each other to reinforce such a capsule. The capsule can also comprise a resin to provide protection for the confined device. An additional layer of filaments can be created around the original filaments. Methods and apparatus for confining the devices within yarns are described.

IPC 8 full level

D02G 3/44 (2006.01); **D02G 3/40** (2006.01)

CPC (source: EP GB US)

D02G 3/404 (2013.01 - EP US); **D02G 3/441** (2013.01 - EP GB US); **D10B 2401/18** (2013.01 - EP US)

Cited by

DE102020000786B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2009139198 A1 20090604; AT E473314 T1 20100715; DE 602006015300 D1 20100819; EP 1882059 A1 20080130; EP 1882059 B1 20100707; EP 1882059 B8 20100901; GB 0509963 D0 20050622; GB 2426255 A 20061122; GB 2426255 B 20090923; WO 2006123133 A1 20061123

DOCDB simple family (application)

US 91419406 A 20060516; AT 06779056 T 20060516; DE 602006015300 T 20060516; EP 06779056 A 20060516; GB 0509963 A 20050516; GB 2006001804 W 20060516