

Title (en)
A shielding device

Title (de)
Vorrichtung zur Abschirmung

Title (fr)
Dispositif écran

Publication
EP 1420624 B1 20061122 (EN)

Application
EP 03024843 A 20031031

Priority
IT TO20020988 A 20021114

Abstract (en)
[origin: EP1420624A2] A shielding device comprises a fabric (3) defining a plurality of meshes which are designed to assume a restricted configuration and a stretched-out configuration, and actuation means (4) made of active material, which are operatively connected to the fabric (3) and can be activated to bring about passage of said meshes from the restricted configuration to the stretched-out configuration, and vice versa. The actuation means are preferably in the form of a thread (4), interwoven or in any case anchored to the fabric, made of a shape-memory alloy or polymer, or of an electro-active polymer. The device finds, for example, application in the construction of shields for light beams, windows or panels for aeration/ventilation, and filters for adjustable cross section. <IMAGE>

IPC 8 full level
D03D 15/56 (2021.01); **A41D 27/28** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP)
D03D 1/007 (2013.01); **D03D 9/00** (2013.01)

Citation (examination)
EP 0364869 A2 19900425 - MITSUBISHI HEAVY IND LTD [JP]

Cited by
CN110607984A; CN103025939A; EP1898686A1; US7309104B2; EP3527705A1; IT201800002882A1; US8093975B2; WO2007007252A1; WO2011150902A1; EP2576879B1

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