

Title (en)

Fastening device suitable for use with needle detectors

Title (de)

Befestigungsvorrichtung zur Verwendung mit Nadeldetektoren

Title (fr)

Dispositif de fixation conçu pour être utilisé avec des détecteurs d'aiguille

Publication

EP 2727488 A3 20160511 (EN)

Application

EP 13188778 A 20131015

Priority

HK 12110187 A 20121016

Abstract (en)

[origin: EP2727488A2] A fastening device (20) designed to be suitably used with needle detectors. The fastening device (20) does not trigger alarms from needle detectors. The fastening device (20) comprises a frame having a plurality of metallic strips (22, 26) coupled contiguously to form an enclosure. The plurality of metallic strips (22, 26) are selected from a group of metallic materials having different ferromagnetic responses and at least two of said selected metallic strips have different ferromagnetic responses. Thereby when said fastening device (20) is attached to a garment and said garment is passed through a needle detector, said fastening device (20) does not trigger a false alarm from said needle detector. A tongue (30) is further attached to one of the metallic strips (26).

IPC 8 full level

A41F 1/00 (2006.01); **A41F 9/00** (2006.01); **A44B 11/00** (2006.01); **A44B 11/24** (2006.01)

CPC (source: EP US)

A41F 1/00 (2013.01 - US); **A41F 9/002** (2013.01 - EP US); **A44B 11/00** (2013.01 - EP US); **A44B 11/24** (2013.01 - EP US);
Y10T 24/4693 (2015.01 - EP US)

Citation (search report)

- [XY] JP 2004135745 A 20040513 - CITIZEN WATCH CO LTD
- [Y] EP 0693261 A1 19960124 - YKK CORP [JP]
- [IA] DE 202010004353 U1 20110726 - KIEFFER GEORG SATTLERWAREN [DE]
- [Y] US 2012252965 A1 20121004 - COFFMAN PHILLIP R [US]
- [Y] EP 1938705 A2 20080702 - YKK CORP [JP]

Cited by

IT202000023290A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2727488 A2 20140507; **EP 2727488 A3 20160511**; CN 203654047 U 20140618; HK 1170623 A2 20130301; US 2014101904 A1 20140417

DOCDB simple family (application)

EP 13188778 A 20131015; CN 201320551026 U 20130905; HK 12110187 A 20121016; US 201313865991 A 20130418