

Title (en)
Support frame

Title (de)
Tragegestell

Title (fr)
Structure de support

Publication
EP 2052632 A1 20090429 (DE)

Application
EP 08020733 A 20080526

Priority
• EP 08009557 A 20080526
• EP 07108898 A 20070525
• EP 08020733 A 20080526

Abstract (en)
The frame has a fastening unit for fastening the frame at a human body. Front and rear shields (10, 11) are connected with each other by a spring steel component (12) through shoulders of the human body. The rear shield is connected with a waist belt (16) of the frame. A drive unit e.g. ventilator, is provided for pumping air through channels of a ventilation device of a piece of clothing for conveyance of air. A rod (14) extends into a tube (15), where the tube and rod combination is attached to the human body such that movement of the rod in the tube produces electric current.

Abstract (de)
Die Erfindung betrifft ein Tragegestell mit Mitteln zur Befestigung an einem menschlichen Oberkörper, mit einem schildförmigen vorderen und hinteren steifen Bereich (10, 11) Der vordere und der hintere schildförmige Bereich (10,11) sind über die Schulter eines menschlichen Oberkörpers nur über Federstähle (12) miteinander verbunden. Der hintere steife Bereich (11) ist mit einem Hüftgurt (16) des Tragegestells verbunden.

IPC 8 full level
A41D 13/002 (2006.01)

CPC (source: EP)
F41H 1/02 (2013.01); **A41D 13/0025** (2013.01)

Citation (applicant)
US 6982497 B2 20060103 - ROME LAWRENCE C [US]

Citation (search report)
• [Y] US 2003132260 A1 20030717 - PRATHER JEFFREY [US]
• [Y] US 6842908 B1 20050118 - SAITO HISAO [JP]
• [A] US 2005066401 A1 20050331 - FEHER STEVEN [US]
• [AD] US 2004183306 A1 20040923 - ROME LAWRENCE C [US]
• [A] EP 1464242 A1 20041006 - UNIV CLEMSON [US]
• [A] US 2003028948 A1 20030213 - CHAMBERS PAUL A [US]

Cited by
DE102010029037A1; DE102010029035B4; DE102009042455B4; DE102010029037B4; WO2011036107A3; DE102010029042A1;
DE202010017814U1; EP2387910A2; DE102010029041A1; DE102009042455A1; WO2011036107A2; US9200871B2; EP2387909A2;
DE102010029035A1; US8584917B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1994840 A1 20081126; EP 1994840 B1 20180307; AT E441336 T1 20090915; AT E493901 T1 20110115; DE 502008000093 D1 20091015;
DE 502008002188 D1 20110217; DK 1994840 T3 20180618; EP 1994841 A1 20081126; EP 1994841 B1 20090902; EP 2016843 A1 20090121;
EP 2016843 B1 20110105; EP 2052632 A1 20090429; ES 2332614 T3 20100209; ES 2359277 T3 20110520; ES 2672312 T3 20180613

DOCDB simple family (application)
EP 07108898 A 20070525; AT 08009546 T 20080526; AT 08009557 T 20080526; DE 502008000093 T 20080526;
DE 502008002188 T 20080526; DK 07108898 T 20070525; EP 08009546 A 20080526; EP 08009557 A 20080526; EP 08020733 A 20080526;
ES 07108898 T 20070525; ES 08009546 T 20080526; ES 08009557 T 20080526