

Title (en)
LEISURE OR SLIDING SPORT APPARATUS WITH AT LEAST TWO LAYERS, EACH HAVING FIELDS WITH FIBERS ORIENTED IN DIFFERENT DIRECTIONS

Title (de)
SPIEL- ODER GLEITSPORTGERÄT MIT MINDESTENS ZWEI LAGEN, JEDES MIT FELDERN MIT UNTERSCHIEDLICHER FASERORIENTIERUNG

Title (fr)
ACCESSOIRE DE JEU OU SPORT DE GLISSE AVEC AU MOINS DEUX COUCHES, CHACUNE COMPRENANT DES CHAMPS AYANT DES FIBRES AVEC DES ORIENTATIONS DIFFÉRENTES

Publication
EP 2552558 A2 20130206 (DE)

Application
EP 11723226 A 20110329

Priority
• DE 202010000504 U 20100330
• DE 2011075055 W 20110329

Abstract (en)
[origin: WO2011120516A2] The invention relates to a leisure or sport apparatus, in particular a sliding sport apparatus such as a snowboard, ski, kiteboard, wakeboard, surfboard, or skateboard, having two end regions nose (3) and tail (4) and a region (M) extending therebetween, the leisure and sport apparatus being composed of a multilayer fiber composite system of layers of fiber reinforced plastic material, having a longitudinal axis (5) and a transverse axis (7) the point of intersection of which form a layer center point (Q), and at least two layers of the fiber composite system having a multi-area arrangement (6) having anisotropic material properties in areas of the multi-area arrangement (6). According to the invention, the at least two layers arranged above one another, at least in the region (M), are subdivided into areas having different fiber orientations by means of at least one dividing line in each layer, in such a way that the course of the dividing lines of the at least two layers arranged one above another is different, so that areas lying above one another and having different fiber orientations overlap, at least in some regions.

IPC 8 full level
A63C 5/00 (2006.01); **A63C 5/03** (2006.01); **A63C 5/12** (2006.01)

CPC (source: EP)
A63C 5/003 (2013.01); **A63C 5/03** (2013.01); **A63C 5/12** (2013.01); **A63C 5/126** (2013.01)

Citation (search report)
See references of WO 2011120516A2

Cited by
US11065529B2

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

DOCDB simple family (publication)
DE 202010000504 U1 20100624; DE 102011001628 A1 20120216; EP 2552558 A2 20130206; EP 2552558 B1 20160309; WO 2011120516 A2 20111006; WO 2011120516 A3 20120223; WO 2011120516 A4 20120419

DOCDB simple family (application)
DE 202010000504 U 20100330; DE 102011001628 A 20110329; DE 2011075055 W 20110329; EP 11723226 A 20110329