Title (en)

PNEUMATIC SUPPORT

Title (de)

PNEUMATISCHER TRÄGER

Title (fr)

SUPPORT PNEUMATIQUE

Publication

EP 3469143 A1 20190417 (DE)

Application

EP 17730038 A 20170601

Priority

- CH 7282016 A 20160608
- CH 2017000053 W 20170601

Abstract (en)

[origin: WO2017210803A1] The pneumatic support has a pneumatic body which can be placed pneumatically under pressure and which, under operating pressure, operationally keeps at a distance apart a compression member which extends substantially over its length and a tension member which likewise extends substantially over its length, wherein forces are introduced at force introduction points in end regions of the compression member and the tension member into said members and wherein connecting elements are provided between the compression member and the tension member and introduce forces into the compression member and the tension member likewise at force introduction points, wherein, furthermore, the pneumatic body has formations which extend between adjacent force introduction points and which project outwardly beyond a rectilinear connection between the adjacent force introduction points. As a result, undesired distortion of the support under operating pressure, but without operating load, is avoided.

IPC 8 full level

E01D 15/12 (2006.01); **E01D 12/00** (2006.01); **E01D 15/20** (2006.01); **E04C 3/00** (2006.01); **E04C 3/46** (2006.01)

CPC (source: CH EP US)

E01D 12/00 (2013.01 - CH EP US); **E01D 15/122** (2013.01 - CH EP US); **E01D 15/20** (2013.01 - CH EP US); **E04C 3/005** (2013.01 - EP US); **E04C 3/46** (2013.01 - CH EP US); E04H 15/20 (2013.01 - EP US); E04H 2015/201 (2013.01 - EP US)

Citation (search report)

See references of WO 2017210803A1

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)

WO 2017210803 A1 20171214; CA 3026826 A1 20171214; CH 712565 A1 20171215; EP 3469143 A1 20190417; EP 3469143 B1 20220831; JP 2019525032 A 20190905; JP 7002135 B2 20220120; US 10689813 B2 20200623; US 2019301112 A1 20191003

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CH 2017000053 W 20170601; CA 3026826 A 20170601; CH 7282016 A 20160608; EP 17730038 A 20170601; JP 2018564744 A 20170601; US 201716307255 A 20170601