

Title (en)  
PNEUMATIC SUPPORT

Title (de)  
PNEUMATISCHER TRÄGER

Title (fr)  
ÉLÉMENT PORTEUR PNEUMATIQUE

Publication  
**EP 3146119 A1 20170329 (DE)**

Application  
**EP 15732510 A 20150521**

Priority  
• CH 7862014 A 20140522  
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Abstract (en)  
[origin: WO2015176192A1] The pneumatic support according to the invention has pneumatic bodies 61 to 63 which can be placed under pressure and which operationally keep a compression member 51 and a tension member 52 at a distance apart, resulting in a pneumatic support with high loadability but also, disadvantageously, with high operating deformation. The connection elements 57, 58 extending in a zigzag shape between the compression member 51 and the tension member 52 over the length of the support 50 are preferably diagonal struts formed as flexible tension members and reinforce the support 50 with respect to the pneumatic supports of the prior art in such a way that the deformation of said support in the case of an asymmetrical load, as is the case with a bridge over which vehicles travel, is for example still 10%.

IPC 8 full level  
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Citation (search report)  
See references of WO 2015176192A1

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**WO 2015176192 A1 20151126**; CA 2953404 A1 20151126; CH 709686 A2 20151130; CL 2016002965 A1 20170623; CN 106795716 A 20170531; EA 037150 B1 20210211; EA 201650113 A1 20170831; EP 3146119 A1 20170329; EP 3146119 B1 20230823; EP 3146119 C0 20230823; JP 2017518450 A 20170706; JP 6703981 B2 20200603; MA 40038 A 20151126; US 10174466 B2 20190108; US 2017130409 A1 20170511

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