

Title (en)  
PNEUMATIC SPRING U-BELLOWS MADE OF ELASTOMERIC MATERIAL

Title (de)  
LUFTFEDERROLLBALG AUS ELASTOMEREM WERKSTOFF

Title (fr)  
SOUFFLET ROULANT A RESSORT PNEUMATIQUE EN MATERIAU ELASTOMERE

Publication  
**EP 1792098 A1 20070606 (DE)**

Application  
**EP 05716782 A 20050224**

Priority  
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Abstract (en)  
[origin: WO2005098261A1] Disclosed are U-bellows for a pneumatic spring, which are made of elastomeric material and comprise a tensile support arrangement that is embedded in the bellows wall (1), extends along the entire length of the bellows, and is composed of rubber-coated cord fabric layers (3, 4). Said U-bellows for a pneumatic spring encompass a non-symmetric tensile support arrangement in which the single outer fabric layer (3) or the several outer fabric layers is/are provided with a stress-elongation behavior that is different from that of the single inner fabric layer (4) or the several inner fabric layers.

IPC 8 full level  
**F16F 9/04** (2006.01)

CPC (source: EP US)  
**F16F 9/0409** (2013.01 - EP US); **Y10T 428/1314** (2015.01 - EP US); **Y10T 428/24983** (2015.01 - EP US)

Citation (search report)  
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