

Title (en)  
PROSTHETIC LIMB

Title (de)  
PROTHESEGLIEDMASSE

Title (fr)  
MEMBRE ARTIFICIEL

Publication  
**EP 3589242 A2 20200108 (EN)**

Application  
**EP 18720344 A 20180228**

Priority  
• GB 201703230 A 20170228  
• GB 2018000032 W 20180228

Abstract (en)  
[origin: WO2018158554A2] This invention is a functional prosthetic upper limb (class II medical device). The mode of action is hydraulic where body power is used to compress deformable hydraulic actuators located in socket system of device. Fluid pressure is then used to operate the mechanical thumb on the hand. A double acting helical bellow (OAHB), double acting cylinder or single acting bellow (with a spring return) is mounted in the wrist. The DAHB unit is similar to a traditional double acting cylinder but instead of using o rings, a cylinder and a 'sealed' piston, the DAHB uses collapsible walls which are fixed to a central plate. The forward section of the DAHB has both inner and outer walls such that no o ring is required.

IPC 8 full level  
**A61F 2/58** (2006.01)

CPC (source: EP)  
**A61F 2/58** (2013.01)

Citation (search report)  
See references of WO 2018158554A2

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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