

Title (en)
Hydraulic strut.

Title (de)
Hydraulische Tragsäule.

Title (fr)
Colonne support hydraulique.

Publication
EP 0277700 A1 19880810 (EN)

Application
EP 88300094 A 19880107

Priority
GB 8700483 A 19870109

Abstract (en)
An hydraulic strut is formed as a piston and cylinder assembly (1, 2) having a first, larger diameter piston (8) working in a larger diameter cylinder bore portion (6) to define a first hydraulic chamber (12) around the piston rod (4), and a second, smaller diameter piston (9) also secured to the piston rod (4) and working in a smaller diameter bore portion (7) of the cylinder assembly (1) to define a second hydraulic chamber (14) between the second piston (9) and the adjacent end (15) of the cylinder assembly. The two chambers (12) and (14) are connected together by a passage means (16, 23) controlled by a valve (17), and the pressure-effective areas of the chambers (12) and (14) are made equal such that the expansion of one chamber is equal to the contraction of the other chamber during adjustment of the length of the piston and cylinder assembly.

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A47C 3/30

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [Y] DE 2164943 A1 19730705 - SUSPA FEDERUNGSTECH
• [Y] FR 2482436 A1 19811120 - CORTI SERGIO [IT]

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