

Title (en)
Device with synchronous hydraulic jacks

Title (de)
Vorrichtung mit hydraulischen Gleichlaufzylindern

Title (fr)
Dispositif avec des vérins hydrauliques synchronisés

Publication
EP 0566203 B1 19970709 (EN)

Application
EP 93201068 A 19930413

Priority
NL 9200686 A 19920413

Abstract (en)
[origin: EP0566203A1] The invention relates to a device comprising a hydraulic system with a source of hydraulic medium under pressure, a reservoir for the medium, at least two cylinder/piston assemblies (5,6) and a control valve (23) for connecting the source or the reservoir at choice to the cylinders. The cylinders are connected in series and the cylinders are dimensioned such that the effective piston surface in the chambers of the two cylinders, which chambers are directly connected to each other by a connecting conduit (10), is equal. Synchronous operating means comprising position sensors (14,15) generate a signal corresponding with the extended position of each piston, a first correction valve (18) can mutually connect the two connections of the first cylinder/piston assembly (5) in the series connection, a second correction valve (20) can connect the connecting conduit (10) to the reservoir, and wherein control means (13) are arranged connected to the position sensors (14,15) and the correction valves (18,20). <IMAGE>

IPC 1-7
F15B 11/22; **B66F 7/20**

IPC 8 full level
B66F 7/04 (2006.01); **B66F 7/20** (2006.01); **F15B 11/22** (2006.01)

CPC (source: EP)
B66F 7/04 (2013.01); **B66F 7/20** (2013.01); **F15B 11/22** (2013.01)

Cited by
CN113027676A; US6817449B2; CN103883574A; CN103591075A; CN103407933A; CN113479814A; US2006182563A1; DE19709474A1; GB2297309A; GB2297309B; US10076931B2; US10208529B2; US11731865B2; WO2020072726A1; WO9511190A1; WO2006122735A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0566203 A1 19931020; **EP 0566203 B1 19970709**; DE 69311949 D1 19970814; DE 69311949 T2 19971113; NL 9200686 A 19931101

DOCDB simple family (application)
EP 93201068 A 19930413; DE 69311949 T 19930413; NL 9200686 A 19920413