

Title (en)
ELECTROHYDRAULIC ACTUATION SYSTEM

Title (de)
ELEKTROHYDRAULISCHES BETÄTIGUNGSSYSTEM

Title (fr)
SYSTEME DE VERINS ELECTRO-HYDRAULIQUES

Publication
EP 1553308 A1 20050713 (EN)

Application
EP 03741367 A 20030711

Priority
• JP 0308865 W 20030711
• JP 2002202792 A 20020711

Abstract (en)
An object of the invention is to provide an electro-hydraulic actuation system which can prevent the generation of a shortage in volume of a fluid supplied to a hydraulic actuator having a larger load pressure of hydraulic actuators of a plurality of electro-hydraulic actuators. The electro-hydraulic actuation system 100 changes a working fluid discharge volume of a variable displacement hydraulic pump 111 by a selector valve 141, a two-position valve 142, a spring 143 and a discharge volume changing hydraulic cylinder 144 based on the maximum pressure of load pressures of a hydraulic motor 122 and a hydraulic motor 132 and a working fluid discharge pressure of the variable displacement hydraulic pump 111. <IMAGE>

IPC 1-7
F15B 11/00

IPC 8 full level
F15B 9/14 (2006.01); **F15B 9/16** (2006.01); **F15B 11/16** (2006.01); **F15B 11/22** (2006.01)

CPC (source: EP)
F15B 9/14 (2013.01); **F15B 9/16** (2013.01); **F15B 11/163** (2013.01); **F15B 11/165** (2013.01); **F15B 11/22** (2013.01); **F15B 2211/20553** (2013.01); **F15B 2211/3052** (2013.01); **F15B 2211/30525** (2013.01); **F15B 2211/30535** (2013.01); **F15B 2211/3056** (2013.01); **F15B 2211/3111** (2013.01); **F15B 2211/3144** (2013.01); **F15B 2211/31576** (2013.01); **F15B 2211/324** (2013.01); **F15B 2211/326** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/355** (2013.01); **F15B 2211/50518** (2013.01); **F15B 2211/5151** (2013.01); **F15B 2211/57** (2013.01); **F15B 2211/6054** (2013.01); **F15B 2211/6057** (2013.01); **F15B 2211/6306** (2013.01); **F15B 2211/6654** (2013.01); **F15B 2211/6656** (2013.01)

Citation (search report)
See references of WO 2004007973A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1553308 A1 20050713; AU 2003280997 A1 20040202; JP WO2004007973 A1 20051110; WO 2004007973 A1 20040122

DOCDB simple family (application)
EP 03741367 A 20030711; AU 2003280997 A 20030711; JP 0308865 W 20030711; JP 2004521200 A 20030711