

Title (en)  
HYDRAULIC DUAL CIRCUIT SYSTEM

Title (de)  
HYDRAULISCHES ZWEIKREISSYSTEM

Title (fr)  
SYSTEME HYDRAULIQUE A DEUX CIRCUITS

Publication  
**EP 1565658 A1 20050824 (DE)**

Application  
**EP 03782096 A 20031119**

Priority  
• DE 0303827 W 20031119  
• DE 10256118 A 20021129

Abstract (en)  
[origin: WO2004051092A1] The invention relates to a hydraulic dual circuit system for controlling consumers (8, 10) of a mobile device, especially a chain-operated device. The two circuits can be combined by means of a combination valve system (12) for selected consumers. The consumers are supplied with pressure medium via a load-independent flow division (LIFD) orifice gauge (14) and an LIFD pressure scale (16). The combination valve system (12) is configured in such a manner that the combined volume flow from the combined circuit downstream of the orifice gauge (14) is supplied to the other circuit and/or that combination is carried out relatively late, i.e. in a phase-delayed manner to the combined consumer.

IPC 1-7  
**F15B 11/17**

IPC 8 full level  
**E02F 9/22** (2006.01); **F15B 11/16** (2006.01); **F15B 11/17** (2006.01)

CPC (source: EP KR)  
**E02F 9/2239** (2013.01 - EP); **E02F 9/2292** (2013.01 - EP); **E02F 9/2296** (2013.01 - EP); **F15B 11/02** (2013.01 - KR); **F15B 11/163** (2013.01 - EP); **F15B 11/165** (2013.01 - EP); **F15B 11/17** (2013.01 - EP); **F15B 2211/20546** (2013.01 - EP); **F15B 2211/20576** (2013.01 - EP); **F15B 2211/30505** (2013.01 - EP); **F15B 2211/30555** (2013.01 - EP); **F15B 2211/3111** (2013.01 - EP); **F15B 2211/3144** (2013.01 - EP); **F15B 2211/31576** (2013.01 - EP); **F15B 2211/31582** (2013.01 - EP); **F15B 2211/329** (2013.01 - EP); **F15B 2211/40515** (2013.01 - EP); **F15B 2211/6052** (2013.01 - EP); **F15B 2211/6057** (2013.01 - EP)

Citation (search report)  
See references of WO 2004051092A1

Cited by  
DE102011111416A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004051092 A1 20040617**; AT E389813 T1 20080415; AU 2003289805 A1 20040623; CN 1314904 C 20070509; CN 1711426 A 20051221; DE 10354022 A1 20040609; DE 50309431 D1 20080430; EP 1565658 A1 20050824; EP 1565658 B1 20080319; JP 2006508311 A 20060309; KR 20050086826 A 20050830

DOCDB simple family (application)  
**DE 0303827 W 20031119**; AT 03782096 T 20031119; AU 2003289805 A 20031119; CN 200380103081 A 20031119; DE 10354022 A 20031119; DE 50309431 T 20031119; EP 03782096 A 20031119; JP 2004556006 A 20031119; KR 20057009439 A 20050525