

Title (en)  
DOUBLE-CIRCUIT HYDRAULIC SYSTEM

Title (de)  
HYDRAULISCHES ZWEIKREISBREMSSYSTEM

Title (fr)  
SYSTEME HYDRAULIQUE A DOUBLE CIRCUIT

Publication  
**EP 1558849 B1 20071212 (DE)**

Application  
**EP 03753319 A 20030919**

Priority  
• DE 0303126 W 20030919  
• DE 10252241 A 20021107  
• DE 10255738 A 20021128

Abstract (en)  
[origin: WO2004042235A1] The invention relates to a double-circuit hydraulic system for controlling consumers of mobile equipment such as track equipment. Two hydraulic circuits (2, 4) can be interconnected by means of a system provided with interconnection valves (38). According to said invention, a device such as non-return valve makes it possible to ensure that, a high pressure in the circuit supplying reduced quantity of a pressure fluid does not impact another circuit having a low pressure, the circuits (2, 4) being interconnected. In the preferred embodiment, the inventive system provided with interconnection valves comprises two manometers (40, 42) which are exposed to a pumped pressure and the load pressure of the corresponding circuit, the non-return valves being arranged upstream thereof.

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

CPC (source: EP KR)  
**E02F 9/2221** (2013.01 - EP); **E02F 9/2253** (2013.01 - EP); **E02F 9/2285** (2013.01 - EP); **F15B 11/165** (2013.01 - EP); **F15B 11/17** (2013.01 - EP KR); **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 2211/31582** (2013.01 - EP); **F15B 2211/329** (2013.01 - EP); **F15B 2211/40507** (2013.01 - EP); **F15B 2211/413** (2013.01 - EP); **F15B 2211/41509** (2013.01 - EP); **F15B 2211/428** (2013.01 - EP); **F15B 2211/465** (2013.01 - EP); **F15B 2211/50518** (2013.01 - EP); **F15B 2211/50527** (2013.01 - EP); **F15B 2211/50554** (2013.01 - EP); **F15B 2211/513** (2013.01 - EP); **F15B 2211/5158** (2013.01 - EP); **F15B 2211/528** (2013.01 - EP); **F15B 2211/575** (2013.01 - EP); **F15B 2211/6051** (2013.01 - EP); **F15B 2211/6052** (2013.01 - EP); **F15B 2211/6355** (2013.01 - EP); **F15B 2211/71** (2013.01 - EP); **F15B 2211/88** (2013.01 - EP)

Cited by  
AT516181A4; AT516181B1; WO2018178353A1; US10041508B2; US9708796B2; US9790964B2

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 2004042235 A1 20040521**; AT E380942 T1 20071215; AU 2003271543 A1 20040607; DE 50308813 D1 20080124; EP 1558849 A1 20050803; EP 1558849 B1 20071212; JP 2006505750 A 20060216; KR 101011992 B1 20110131; KR 20050059333 A 20050617

DOCDB simple family (application)  
**DE 0303126 W 20030919**; AT 03753319 T 20030919; AU 2003271543 A 20030919; DE 50308813 T 20030919; EP 03753319 A 20030919; JP 2004549050 A 20030919; KR 20057008113 A 20030919