Title (en)
METHOD FOR AUTOMATICALLY DETERMINING THE STATE OF A HYDRAULIC AGGREGATE

Title (de)
VERFAHREN ZUR AUTOMATISCHEN ZUSTANDSBESTIMMUNG EINES HYDRAULIKAGGREGATES

Title (fr)
PROCÉDÉ DE DÉTERMINATION AUTOMATIQUE DE L'ÉTAT D'UN GROUPE HYDRAULIQUE

Publication
EP 2118501 B1 20160106 (DE)

Application
EP 08701388 A 20080110

Priority
• EP 2008050240 W 20080110
• DE 102007001922 A 20070112

Abstract (en)
[origin: WO2008084077A1] A hydraulic aggregate for supplying a hydraulic cylinder in consecutive load lifts (LHI, LH2, LH3, LH4) is monitored for its working load in order to determine the state of the aggregate automatically. For this purpose, the time interval of the pressure is determined for each load lift. The pressure and duration are processed into a characteristic number which indicates the wear, making it possible to diagnose the state of the hydraulic aggregate at any time.

IPC 8 full level
F04B 51/00 (2006.01); **F15B 19/00** (2006.01)

CPC (source: EP US)
F04B 51/00 (2013.01 - EP US); **F15B 19/005** (2013.01 - EP US); B25B 21/005 (2013.01 - EP US); F04C 2/10 (2013.01 - EP US); F04C 2270/16 (2013.01 - EP US); F04C 2270/80 (2013.01 - EP US); F04C 2270/86 (2013.01 - EP US)

Cited by
EP3653888B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007001922 A1 20080717; EP 2118501 A1 20091118; EP 2118501 B1 20160106; JP 2010515588 A 20100513; PL 2118501 T3 20160630; US 2010293933 A1 20101125; US 8370083 B2 20130205; WO 2008084077 A1 20080717

DOCDB simple family (application)
DE 102007001922 A 20070112; EP 08701388 A 20080110; EP 2008050240 W 20080110; JP 2009545178 A 20080110; PL 08701388 T 20080110; US 52241208 A 20080110