

Title (en)

Mobile work machine with energy recovery for driving the motor cooling

Title (de)

Mobile Arbeitsmaschine mit Energierückgewinnung zum Antrieb der Motorkühlung

Title (fr)

Machine de travail mobile avec production d'énergie pour l'entraînement du refroidissement du moteur

Publication

**EP 2628862 A3 20171115 (DE)**

Application

**EP 13152809 A 20130128**

Priority

DE 102012003320 A 20120218

Abstract (en)

[origin: EP2628862A2] The mobile working machine (10) has multiple hydraulic consumers (11,13) and another hydraulic consumer, where one of the former consumers has a traveling drive and an operating drive of the mobile working machine. A pressure storage (50) is provided for storing the hydraulic fluid stands under pressure, where the pressure storage stands in fluidic connection with the former consumers such that the hydraulic fluid flows back from the former consumers, in which the pressure storage runs, but not vice versa. An independent claim is included for a hydraulic drive system with a return pressure balance.

IPC 8 full level

**E02F 9/22** (2006.01); **B66C 13/20** (2006.01); **F15B 11/17** (2006.01); **F15B 21/14** (2006.01)

CPC (source: EP KR)

**B66C 13/20** (2013.01 - EP); **E02F 9/22** (2013.01 - KR); **E02F 9/2217** (2013.01 - EP); **E02F 9/226** (2013.01 - EP); **E02F 9/2292** (2013.01 - EP); **E02F 9/2296** (2013.01 - EP); **F15B 1/024** (2013.01 - EP); **F15B 11/02** (2013.01 - KR); **F15B 11/17** (2013.01 - EP); **F15B 13/02** (2013.01 - KR); **F15B 21/14** (2013.01 - EP); **F15B 2211/20507** (2013.01 - EP); **F15B 2211/20523** (2013.01 - EP); **F15B 2211/20546** (2013.01 - EP); **F15B 2211/20569** (2013.01 - EP); **F15B 2211/20576** (2013.01 - EP); **F15B 2211/212** (2013.01 - EP); **F15B 2211/40569** (2013.01 - EP); **F15B 2211/41554** (2013.01 - EP); **F15B 2211/6306** (2013.01 - EP); **F15B 2211/7058** (2013.01 - EP); **F15B 2211/7142** (2013.01 - EP); **F15B 2211/88** (2013.01 - EP)

Citation (search report)

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- [A] DE 4001306 A1 19910725 - BOSCH GMBH ROBERT [DE]
- [A] US 2003182938 A1 20031002 - SMITH DAVID P [US]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2628862 A2 20130821**; **EP 2628862 A3 20171115**; **EP 2628862 B1 20200311**; CN 103256260 A 20130821; CN 103256260 B 20170714; DE 102012003320 A1 20130822; KR 20130095676 A 20130828

DOCDB simple family (application)

**EP 13152809 A 20130128**; CN 201310051585 A 20130217; DE 102012003320 A 20120218; KR 20130016204 A 20130215