

Title (en)  
Hydraulic system and crane

Title (de)  
Hydrauliksystem und Kran

Title (fr)  
Système hydraulique et grue

Publication  
**EP 2636633 A1 20130911 (DE)**

Application  
**EP 12008080 A 20121203**

Priority  
DE 102012004737 A 20120308

Abstract (en)  
The hydraulic system has a hydraulic circuit that is connected with a constant pressure unit (2) through a pressure reducer (3). High volumetric flow with low pressure is produced in the hydraulic circuit with respect to the constant pressure unit. The pressure reducer is provided with two pistons having appropriate piston surface ratio. A pressure converter is connected with a pressure reservoir. An independent claim is included for a crane.

Abstract (de)  
Ein Hydrauliksystem für einen Kran mit wenigstens einem Hydraulikkreislauf (4), der wenigstens einen hydraulischen Verbraucher (13) umfasst, und einem Konstantdrucknetz (2), wobei der wenigstens eine Hydraulikkreislauf über wenigstens einen Druckumsetzer (3) mit dem Konstantdrucknetz gekoppelt ist, wodurch ein gegenüber dem Konstantdrucknetz höherer Volumenstrom mit niederem Druck in dem Hydraulikkreislauf erzeugbar ist.

IPC 8 full level  
**B66C 13/10** (2006.01); **B66D 1/52** (2006.01)

CPC (source: EP US)  
**B63B 27/08** (2013.01 - US); **B66C 13/10** (2013.01 - EP US); **B66D 1/52** (2013.01 - EP US); **F15B 7/006** (2013.01 - EP US); **F15B 7/008** (2013.01 - EP US); **F15B 21/14** (2013.01 - EP US); **F15B 2211/20546** (2013.01 - EP US); **F15B 2211/20561** (2013.01 - EP US); **F15B 2211/20569** (2013.01 - EP US); **F15B 2211/613** (2013.01 - EP US); **F15B 2211/625** (2013.01 - EP US); **F15B 2211/7058** (2013.01 - EP US); **F15B 2211/761** (2013.01 - EP US); **F15B 2211/763** (2013.01 - EP US); **F15B 2211/88** (2013.01 - EP US)

Citation (search report)  
• [X] EP 1025922 A1 20000809 - STROEMSHOLMEN AB [SE]  
• [A] US 2005179021 A1 20050818 - SELCER TOBY [US], et al  
• [A] DE 8806159 U1 19880915  
• [A] US 5209302 A 19930511 - ROBICHAUX LELAND R [GB], et al

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 2636633 A1 20130911**; **EP 2636633 B1 20150722**; CN 103307045 A 20130918; DE 102012004737 A1 20130912; US 2013236272 A1 20130912; US 9248997 B2 20160202

DOCDB simple family (application)  
**EP 12008080 A 20121203**; CN 201310073797 A 20130307; DE 102012004737 A 20120308; US 201313777979 A 20130226