

Title (en)

DEVICE FOR REDUCING IMPACT DURING TRAVELING OF CONSTRUCTION MACHINE AND METHOD FOR CONTROLLING CONSTRUCTION MACHINE USING SAME

Title (de)

VORRICHTUNG ZUR REDUZIERUNG DES AUFPRALLS WÄHREND DES TRANSPORTS EINER BAUMASCHINE UND VERFAHREN ZUR STEUERUNG EINER BAUMASCHINE DAMIT

Title (fr)

DISPOSITIF POUR RÉDUIRE L'IMPACT DURANT LE DÉPLACEMENT D'UNE MACHINE DE CONSTRUCTION ET PROCÉDÉ POUR COMMANDER UNE MACHINE DE CONSTRUCTION EN UTILISANT LEDIT DISPOSITIF

Publication

EP 3382108 A4 20190724 (EN)

Application

EP 16876075 A 20161216

Priority

- KR 20150179946 A 20151216
- KR 2016014805 W 20161216

Abstract (en)

[origin: EP3382108A1] A travelling shock reducing device for construction machinery, includes a travel manipulation portion to generate a pilot pressure for controlling an amount of a hydraulic oil discharged from a hydraulic pump to be supplied to a travel motor of the construction machinery, a sensing portion configured to detect a manipulation change of the travel manipulation portion, a pressure reducing valve installed between the travel manipulation portion and the hydraulic pump to control the pilot pressure supplied to the hydraulic pump, and a controller receiving information on the manipulation change from the sensing portion, and configured to control an operation of the pressure reducing valve such that the pilot pressure is gently increased when the manipulation change is greater than a predetermined value.

IPC 8 full level

E02F 9/22 (2006.01)

CPC (source: EP KR)

E02F 9/22 (2013.01 - KR); **E02F 9/2225** (2013.01 - KR); **E02F 9/2228** (2013.01 - KR); **E02F 9/2232** (2013.01 - KR); **E02F 9/2235** (2013.01 - EP); **E02F 9/2253** (2013.01 - EP KR); **E02F 9/226** (2013.01 - KR); **E02F 9/2285** (2013.01 - EP); **E02F 9/2296** (2013.01 - EP)

Citation (search report)

- [XYI] EP 2587074 A1 20130501 - VOLVO CONSTR EQUIP AB [SE]
- [Y] US 5784883 A 19980728 - OHKURA YASUNORI [JP], et al
- [IY] US 2014366518 A1 20141218 - BANG JAI SEOK [KR]
- See references of WO 2017105133A1

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

DOCDB simple family (publication)

EP 3382108 A1 20181003; **EP 3382108 A4 20190724**; **EP 3382108 B1 20201202**; CN 108368693 A 20180803; CN 108368693 B 20200908; KR 102121879 B1 20200611; KR 20180079447 A 20180710; WO 2017105133 A1 20170622

DOCDB simple family (application)

EP 16876075 A 20161216; CN 201680073997 A 20161216; KR 2016014805 W 20161216; KR 20187017453 A 20161216