

(12) International Application Status Report

Received at International Bureau: 11 December 2019 (11.12.2019)

Information valid as of: 13 May 2020 (13.05.2020)

Report generated on: 19 September 2020 (19.09.2020)

(10) Publication number:

WO2020/114909

(43) Publication date:

11 June 2020 (11.06.2020)

(26) Publication language:

German (DE)

(21) Application Number:

PCT/EP2019/083100

(22) Filing Date:

29 November 2019 (29.11.2019)

(25) Filing language:

German (DE)

(31) Priority number(s):

10 2018 130 697.0 (DE)

(31) Priority date(s):

03 December 2018 (03.12.2018)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

10 2019 132 269.3 (DE)

28 November 2019 (28.11.2019)

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

F15B 13/02 (2006.01); **F15B 19/00** (2006.01); **F16K 17/06** (2006.01); E02F 9/22 (2006.01)

(71) Applicant(s):

KOMATSU GERMANY GMBH [DE/DE]; Forststrasse 29 40595 DÜSSELDORF (DE) *(for all designated states)*

(72) Inventor(s):

AHOLA, Juuso, Valtteri; Sumiankatu 1 33400 Tampere (FI)

KLOPMEIER, Jens; Hardt 30 40764 Langenfeld (DE)

(74) Agent(s):

MEISSNER, Peter E.; Meissner & Meissner Hohenzollerndamm 89 14199 BERLIN (DE)

(54) Title (EN): TOOL FOR ADJUSTING HIGH-PRESSURE HYDRAULIC CIRCUITS ON HYDRAULIC EXCAVATORS

(54) Title (FR): OUTIL DE RÉGLAGE DE CIRCUITS HYDRAULIQUES SOUS HAUTE PRESSION D'EXCAVATEURS HYDRAULIQUES

(54) Title (DE): WERKZEUG ZUM EINSTELLEN VON HOCHDRUCK-HYDRAULIKKREISLÄUFEN AN HYDRAULIKBAGGERN

(57) Abstract:

(EN): The invention relates to a tool for adjusting high-pressure hydraulic circuits on hydraulic heavy equipment, such as wheel loaders, dump trucks, excavators and shovels, wherein the tool (10) can be remote-controlled.

(FR): La présente invention concerne un outil de réglage de vannes de circuits hydrauliques sous haute pression sur de grands appareils hydrauliques, comme des chargeuses sur roues, des camions à benne basculante, des excavateurs et des pelles. L'outil (10) peut être télécommandé.

(DE): Werkzeug zum Einstellen von Ventilen von Hochdruck-Hydraulikkreisläufen an hydraulischen Großgeräten, wie Radlader, Muldenkipper, Bagger und Schaufeln, wobei das Werkzeug (10) fernsteuerbar ist.

International search report:

Received at International Bureau: 02 March 2020 (02.03.2020) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM