

Title (en)
WORKING MACHINE

Title (de)
ARBEITSMASCHINE

Title (fr)
ENGIN DE CHANTIER

Publication
EP 4098813 A4 20240228 (EN)

Application
EP 21875772 A 20210930

Priority
• JP 2020167127 A 20201001
• JP 2021036065 W 20210930

Abstract (en)
[origin: EP4098813A1] A working machine, equipped with a working device (7) that extends to the outside of a machine body (1), includes: a physical quantity detection sensor (15, 25, 31, 33, 35, 36, 37, 38, 39) that detects a physical quantity concerning the working machine; a monitor (43) that displays predetermined information (61, 63); and a controller (51) that controls the monitor. The controller includes a stress calculation section (53) that calculates a distribution (63a) of stress applied to the working device based on the physical quantity concerning the working machine, detected by the physical quantity detection sensor, and a display control section (57) that controls the display of the predetermined information on the monitor. The display control section controls the display on the monitor so as to indicate the distribution of the stress applied to the working device, calculated by the stress calculation section, in conjunction with the movement of the working device.

IPC 8 full level
E02F 9/26 (2006.01)

CPC (source: EP US)
E02F 9/264 (2013.01 - US); **E02F 9/267** (2013.01 - EP US); **E02F 3/435** (2013.01 - EP); **E02F 9/2054** (2013.01 - EP)

Citation (search report)
• [XY] US 2017089044 A1 20170330 - CHITTY GERARD BERNARD [AU], et al
• [Y] EP 3438915 A1 20190206 - SUMITOMO HEAVY INDUSTRIES [JP]
• [A] JP 2014085293 A 20140512 - SUMITOMO HEAVY INDUSTRIES
• [A] US 2016237654 A1 20160818 - ARIMATSU DAIKI [JP], et al
• See references of WO 2022071476A1

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 4098813 A1 20221207; **EP 4098813 A4 20240228**; CN 115244255 A 20221025; CN 115244255 B 20240607; JP 7344398 B2 20230913; JP WO2022071476 A1 20220407; US 2023115070 A1 20230413; WO 2022071476 A1 20220407

DOCDB simple family (application)
EP 21875772 A 20210930; CN 202180019404 A 20210930; JP 2021036065 W 20210930; JP 2022554089 A 20210930; US 202117909550 A 20210930