

Title (en)

REMOTE OPERATION ASSISTANCE SERVER AND REMOTE OPERATION ASSISTANCE SYSTEM

Title (de)

FERNBETRIEBSUNTERSTÜTZUNGSSERVER UND FERNBETRIEBSUNTERSTÜTZUNGSSYSTEM

Title (fr)

SERVEUR D'ASSISTANCE À LA TÉLÉOPÉRATION ET SYSTÈME D'ASSISTANCE À LA TÉLÉOPÉRATION

Publication

**EP 4279667 A1 20231122 (EN)**

Application

**EP 21931730 A 20211213**

Priority

- JP 2021045675 A 20210319
- JP 2021045780 W 20211213

Abstract (en)

Provided is a system or the like capable of reducing mental burdens on an operator who remotely operates a work machine, when an image range acquired by a real machine image pickup device loaded on the work machine is changed. A previous notice indicating a future change mode of a real space area projected in a work environment image displayed at a remote image output device 221 is output to a remote output interface 220. It is possible to make the operator who encounters a virtual sound source V<sub>ss</sub> displaced according to a displacement mode of the real space area and/or an icon image A1 in an arrow shape indicating the displacement mode of the real space area recognize beforehand that the real space area projected in the work environment image is to be displaced according to the displacement mode in the future.

IPC 8 full level

**E02F 9/26** (2006.01); **B66C 13/40** (2006.01); **G06F 3/01** (2006.01); **G06F 3/0481** (2022.01)

CPC (source: EP US)

**E02F 9/205** (2013.01 - EP US); **E02F 9/261** (2013.01 - EP US); **E02F 3/435** (2013.01 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4279667 A1 20231122**; CN 117043732 A 20231110; JP 2022144601 A 20221003; US 2024141616 A1 20240502; WO 2022195988 A1 20220922

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