

Title (en)

SHOVEL AND SHOVEL MANAGEMENT SYSTEM

Title (de)

SCHAUFEL- UND SCHAUFELVERWALTUNGSSYSTEM

Title (fr)

PELLE ET SYSTÈME DE GESTION DE PELLE

Publication

**EP 3748089 B1 20230315 (EN)**

Application

**EP 19747825 A 20190130**

Priority

- JP 2018013970 A 20180130
- JP 2019003201 W 20190130

Abstract (en)

[origin: EP3748089A1] A shovel (100) according to an embodiment of the present invention includes a lower traveling body (1), an upper turning body (3) turnably mounted on the lower traveling body (1), an excavation attachment serving as an attachment attached to the upper turning body (3), and a controller (30) serving as a control device mounted on the upper turning body (3) and capable of executing automatic control. The controller (30) is configured to stop the automatic control when information on the movement of the shovel (100) shows an unusual tendency.

IPC 8 full level

**E02F 3/43** (2006.01); **E02F 9/20** (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP KR US)

**E02F 3/32** (2013.01 - US); **E02F 3/437** (2013.01 - EP); **E02F 3/439** (2013.01 - US); **E02F 9/123** (2013.01 - KR US); **E02F 9/2004** (2013.01 - US); **E02F 9/2025** (2013.01 - KR); **E02F 9/2285** (2013.01 - US); **E02F 9/24** (2013.01 - KR); **E02F 9/268** (2013.01 - EP)

Cited by

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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 3748089 A1 20201209**; **EP 3748089 A4 20210407**; **EP 3748089 B1 20230315**; CN 111670286 A 20200915; CN 118007731 A 20240510; JP WO2019151335 A1 20210114; KR 102685681 B1 20240715; KR 20200111193 A 20200928; US 2020354921 A1 20201112; WO 2019151335 A1 20190808

DOCDB simple family (application)

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