

Title (en)
EXCAVATOR AND METHOD FOR CONTROLLING THE SAME

Title (de)
BAGGER UND VERFAHREN ZUR STEUERUNG DAVON

Title (fr)
EXCAVATRICE ET SON PROCÉDÉ DE COMMANDE

Publication
EP 3943669 A1 20220126 (EN)

Application
EP 21186671 A 20210720

Priority
KR 20200089330 A 20200720

Abstract (en)
The present disclosure is related to an excavator capable of performing precise works and a method of controlling the excavator, the excavator including: an excavator equipped with a bucket including at least two bucket ends; a sensor capable of measuring an angle of a working portion of the excavator; a pop-up window for selecting one of the at least two bucket ends; and a controller configured to detect a distance between a working surface and the selected bucket end based on a size of the bucket and an angle between the working surface and an imaginary straight line connecting the bucket ends.

IPC 8 full level
E02F 3/43 (2006.01); **E02F 9/26** (2006.01)

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Citation (applicant)
KR 20140101701 A 20140820 - DOOSAN INFRACORE CO LTD [KR]

Citation (search report)

- [X] US 2014100744 A1 20140410 - JOHNSON NEIL [US], et al
- [X] JP 2014074319 A 20140424 - KOMATSU MFG CO LTD
- [X] KR 101762044 B1 20170726
- [X] KR 101762524 B1 20170727
- [X] KR 101678759 B1 20161123

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

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EP 3943669 A1 20220126; **EP 3943669 B1 20240508**; CN 113957939 A 20220121; CN 113957939 B 20230407; KR 20220010795 A 20220127

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