

Title (en)
EXCAVATOR WITH POSITION INDICATION OF ITS WORKING TOOL

Publication
EP 0011766 B1 19811125 (DE)

Application
EP 79104470 A 19791113

Priority
DE 2851942 A 19781201

Abstract (en)
[origin: US4277899A] An excavating machine has an indicator (60, 64) showing the position of the boom and dipper stick mounted back hoe (29) to the machine operator. A guide rod (33) is coupled to the hoe and to a swivel joint (34) on the machine to drive the indicator. The angle of the hoe may be shown by an additional indicator (83, 84).

IPC 1-7
E02F 9/26; **E02F 3/32**

IPC 8 full level
E02F 3/30 (2006.01); **E02F 3/32** (2006.01); **E02F 3/36** (2006.01); **E02F 5/14** (2006.01); **E02F 9/26** (2006.01); **E02F 3/42** (2006.01)

CPC (source: EP US)
E02F 3/301 (2013.01 - EP US); **E02F 3/32** (2013.01 - EP US); **E02F 3/3677** (2013.01 - EP US); **E02F 9/26** (2013.01 - EP US)

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Designated contracting state (EPC)
AT CH FR GB IT NL SE

DOCDB simple family (publication)
EP 0011766 A1 19800611; **EP 0011766 B1 19811125**; AT E437 T1 19811215; DE 2851942 A1 19800604; DE 2851942 C2 19830818; JP S55108539 A 19800820; JP S5914127 B2 19840403; JP S5925053 B2 19840614; JP S5948530 A 19840319; US 4277899 A 19810714

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