

Title (en)
EARTH-WORKING MACHINE

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EP 0187944 B1 19891102 (EN)

Application
EP 85115473 A 19830602

Priority
• EP 85115473 A 19830602
• JP 1337683 A 19830128
• JP 12846882 A 19820722
• JP 16297182 A 19820918
• JP 19212082 A 19821101

Abstract (en)
[origin: EP0187944A1] An earth-working machine such as an excavator includes a mobile chassis (10) having a support base (13) on which an internal gear (33) is fixedly mounted. A slider ring (35) is mounted on the underside of a turntable (14) with a hydraulic motor (18) mounted thereon and has a drive pinion (37) held in mesh with the internal gear (33). A carriage (20) supporting an excavating mechanism (47) has an internal gear (45) fixed to the underside thereof and is rotatably mounted on an annular holder (43; 73) fixed to the turntable (14). An intermediate shaft (56) is rotatably journaled in a bearing (39, 40) and pinion (46) fixed thereto and held in mesh with the internal gear (33, 45) on the carriage (20). A motor (50) mounted on the turntable (14) is operatively connected to the intermediate shaft (56) through shaft (15), sprockets (53, 54) on shafts (55, 56) respectively and a connecting drive chain (52). The carriage is rotatable in the contrary sense to the turntable by the second hydraulic motor (50) independently of the turntable.

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IPC 8 full level
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Cited by
EP1152092A1; AT502508B1; GB2204558A; GB2204558B; US7140829B2; WO0127397A1; WO03012215A1

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