

Title (en)
Soil-working machine.

Title (de)
Maschine für Erdarbeiten.

Title (fr)
Engin de terrassement.

Publication
EP 0256304 A1 19880224 (FR)

Application
EP 87110040 A 19870711

Priority
CH 289386 A 19860718

Abstract (en)
1. Earthworks machine comprising two jaws (3) articulated on a frame (1), each jaw being articulated on two axles whose one is movable with regard to the frame and the other is fixed with regard to the frame, characterized by the fact that each jaw is carried by a main arm (4), this being articulated by one of its ends on the jaw and by a garniture (6), interdependant with its other end, on the fixed transversal axle (7) interdependant with the frame, in such a way that each jaw is pivotably mounted simultaneously around this fixed axle (7) and on itself around the movable axle (a) situated at the end of the main arm and movable according to an arch of circle whose center corresponds to said fixed axle ; by the fact that a secondary arm (8) is articulated by one of its ends on each jaw and cooperates by its other end with a single control hydraulic jack (14) ; by the fact that it comprises two straight rods (11, 13) articulated the one on the other by one of their ends according to an articulation transversal axis (12), one (11) of these rods being articulated by its other end onto the end of said secondary arm (8) and the other rod being also articulated by its other end on a garniture (6') interdependant with the fixed axle (7) ; and by the fact that the single control jack (14) is longitudinally mounted with regard to the frame (1), between the two articulation transversal axes (12) of the two articulated rods (11, 13) at the end of the secondary arm (8) of each jaw (3), in such a way that said single jack controls both jaws.

Abstract (fr)
Cet engin de terrassement comporte deux mâchoires (3) articulées sur un châssis (1), chaque mâchoire étant portée par un bras principal (4). Ce bras est articulé par l'une de ses extrémités sur la mâchoire et par son autre extrémité sur un axe transversal (7) fixe solidaire du châssis, de telle sorte que chaque mâchoire soit montée pivotante simultanément autour d'un axe fixe et sur elle-même autour d'un axe (a) lui-même déplaçable selon un arc de cercle dont le centre correspond audit axe fixe. Un bras secondaire (8) est en outre articulé par l'une de ses extrémités sur chaque mâchoire et coopère par son autre extrémité avec un vérin hydraulique de commande (14, 15).

IPC 1-7
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IPC 8 full level
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CPC (source: EP)
B66C 3/16 (2013.01); **E02F 3/413** (2013.01)

Citation (search report)
• [A] DE 1114623 B 19611005 - WILHELM LUDOWICI DR ING
• [A] EP 0054207 A2 19820623 - VUISTINER SERGE
• [A] CA 1036047 A 19780808 - LOGGING DEV CORP
• [A] US 4023848 A 19770517 - BENNETT WILBUR G
• [A] FR 919101 A 19470227
• [A] FR 2111939 A1 19720609 - DEERE & CO
• [A] DE 1123097 B 19620201 - TAYLOR & SONS MANCHESTER LTD F
• [A] FR 2378906 A1 19780825 - NEMAG BV [NL]
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EP2194193A1; WO2010064188A1; CN105257610A; US8607480B2; JP2012511111A

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