

Title (en)
MULTIPURPOSE HEAVY-CONSTRUCTION MACHINE OF THE LOADER SHOVEL TYPE

Title (de)
MEHRZWECKBAUFAHRZEUG DES SCHAUFELLADER-TYPS

Title (fr)
ENGIN DE TRAVAUX PUBLICS POLYVALENT DU TYPE CHARGEUSE-PELLETEUSE

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Application
EP 02722353 A 20020320

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• FR 0104278 A 20010329

Abstract (en)
[origin: WO02079581A1] The invention concerns a multipurpose heavy-construction machine of the tractor shovel type comprising a mobile main frame (1) in the central part of which is mounted a driving and control station, said main frame supporting at the front, a loader assembly (6) and, at the rear a shovel assembly (7) or excavator, capable of being controlled independently of each other via a hydraulic circuit selectively powering a plurality of distributors capable of being actuated by a manipulator and which control hydraulic cylinders of the components of each working tool. The distributor assembly powering the actuator cylinders of the tools are assembled in the form of a single module (30) transversely mounted on the main frame, and between the rear axle and the frame supporting the shovel assembly. The hydraulic fluid supply is provided via a variable-flow pump feeding a priority valve on the steering function, associated with the distributor assembly module (30). The fluid distribution to each distributor is ensured with a compensation balance for piecemeal adjustment of the flow rates.

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