

Title (en)

DRIVE MECHANISM FOR THE TOOL-CARRYING SPINDLE OF A SLEEPER-SCREWING MACHINE

Publication

EP 0169753 A3 19860611 (FR)

Application

EP 85401185 A 19850614

Priority

FR 8411948 A 19840727

Abstract (en)

[origin: EP0169753A2] A drive mechanism in which the energy source drives a pump feeding two hydraulic motors (4 and 5) connected in parallel and comprising means for feeding one of the motors or both at the same time and a valve (19), which is normally closed, inserted in the feed circuit of one motor and whose opening is controlled by the pressure of the hydraulic fluid when the latter reaches a predetermined value, the said fluid pushing back a piston subjected to the action of an opposing spring, the cross-section of the said piston (23) being such that the valve remains open even if, on coupling the second motor (5), the pressure in the circuit falls to a value which is less than that which should govern at that moment. A pressure limiter (25) is inserted in the circuit and makes it possible to divert the fluid under pressure to the reservoir (6) when the pressure at the input of the said limiter reaches a value which corresponds to the desired clamping couple. <IMAGE>

IPC 1-7

E01B 29/28; **B23P 19/06**

IPC 8 full level

B25B 23/151 (2006.01); **E01B 29/28** (2006.01)

CPC (source: EP)

E01B 29/28 (2013.01)

Citation (search report)

- [A] CH 368202 A 19630331 - PLASSER BAHNBAUMASCH FRANZ [AT], et al
- [A] FR 1533959 A 19680726 - IND DE LA VARENNE

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FR2745216A1; EP0761881A1; EP1201826A1; FR2815974A1

Designated contracting state (EPC)

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