

Title (en)
MACHINE TOOL

Title (de)
WERKZEUGMASCHINE

Title (fr)
MACHINE-OUTIL

Publication
EP 1259357 B1 20030903 (DE)

Application
EP 01909706 A 20010130

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Abstract (en)
[origin: WO0160570A1] The invention relates to a gearbox (10, 12), which may be switched using an operating element (14, 16), by means of at least one clutch element (18). Said gearbox comprises at least one spring element (20, 22) arranged in the force path, between the operating element (14, 16) and the clutch element (18), fixed to a first component (24, 26) in at least two switching directions (28, 30) and in the opposite sense of the force path, fixed to a second component (32, 34) in at least the two switching directions (28, 30).

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WO 0160570 A1 20010823; CN 100406207 C 20080730; CN 1404431 A 20030319; DE 10007665 A1 20010906; DE 50100576 D1 20031009; EP 1259357 A1 20021127; EP 1259357 B1 20030903; JP 2003523835 A 20030812; JP 4933713 B2 20120516; US 2003079562 A1 20030501; US 6942435 B2 20050913

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