

Title (en)

Machine tool with electromagnet for mounting on a ferromagnetic workpiece

Title (de)

Werkzeugmaschine mit einem Elektromagneten zur Befestigung an einem ferromagnetischen Werkstück

Title (fr)

Machine-outil avec électro-aimant pour la fixation à une pièce ferromagnétique

Publication

**EP 1103350 B1 20090128 (DE)**

Application

**EP 00121732 A 20001005**

Priority

DE 19956155 A 19991123

Abstract (en)

[origin: EP1103350A2] The machine tool has an electromagnet (30) used for securing a ferromagnetic workpiece and a switching device (S) with at least 2 different switch states, for controlling the electromagnet and a drive device (42) for the machine tool. The electromagnet current is reduced for securing the workpiece when the drive is not operated relative to the current used for securing the workpiece when the drive is operated.

IPC 8 full level

**B25H 1/00** (2006.01); **B23B 45/14** (2006.01)

CPC (source: EP)

**B25H 1/0071** (2013.01)

Cited by

CN101633057A; EP2251154A1; US8545139B2; EP2147755A2; DE102008035308A1; US8568066B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 1103350 A2 20010530; EP 1103350 A3 20011219; EP 1103350 B1 20090128**; DE 19956155 A1 20010531; DE 19956155 B4 20111201; DE 50015540 D1 20090319

DOCDB simple family (application)

**EP 00121732 A 20001005**; DE 19956155 A 19991123; DE 50015540 T 20001005