

Title (en)

MAGNETIC DRILL PRESS WITH ALTERNATE POWER SOURCE

Title (de)

MAGNETISCHER BOHRSTÄNDER MIT ALTERNIERENDER ENERGIEQUELLE

Title (fr)

PRESSE DE FORAGE MAGNÉTIQUE AVEC SOURCE DE PUISSANCE ALTERNATIVE

Publication

**EP 3109008 B1 20180815 (EN)**

Application

**EP 15173710 A 20150624**

Priority

EP 15173710 A 20150624

Abstract (en)

[origin: EP3109008A1] A magnetic drill (10) is provided with an alternate power source (36). The drill (10) comprises: an electric motor (32) for driving a tool; a controller (33) configured to receive an AC input signal and operable to control a drive signal to the electric motor (32); an electromagnet (28) arranged in a base (24) of the drill housing and operable, in response to a DC voltage, to magnetically couple the base to a surface proximate to the base (24); an AC/DC converter (34) configured to receive the AC input signal and operates, independent from the controller (33) and in the presence of the AC input signal, to output a DC voltage to the electromagnet (28); and an alternate power source circuit that monitors the DC voltage output by the converter (34) and, in the absence thereof, provides an alternate DC voltage to the electromagnet (28).

IPC 8 full level

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CPC (source: EP)

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