

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 A1 20161228 (EN)

Application

EP 15173710 A 20150624

Priority

EP 15173710 A 20150624

Abstract (en)

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

B25H 1/00 (2006.01)

CPC (source: EP)

B25H 1/0071 (2013.01); **B25H 1/0078** (2013.01)

Citation (search report)

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- [A] GB 2241618 A 19910904 - NITTO KOHKI CO [JP]
- [A] EP 2127790 A1 20091202 - NITTO KOHKI CO [JP]
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Cited by

CN113795407A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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