

Title (en)

Resonant frequency automatic adjustment to demagnetize different objects in demagnetizing installations

Title (de)

Automatisches Einstellen der Resonanzfrequenz beim Entmagnetisieren von unterschiedlichen Teilen in Entmagnetisierungsanlagen

Title (fr)

Réglage automatique de la fréquence de résonance de démagnétisation des pièces différentes pour installations de démagnétisation

Publication

EP 1796113 A1 20070613 (DE)

Application

EP 05027030 A 20051210

Priority

EP 05027030 A 20051210

Abstract (en)

Either the admittance of the oscillation circuit charged with the object is measured by way of separate measurement coil with small measurement current. The frequency in the oscillation circuit for demagnetization impulse is set to the value evaluated. The resonant frequency of the oscillation circuit charged with the object is evaluated and controlled at time duration of 5 periods during increase of the demagnetization current. The frequency in the oscillation circuit is continuously tracked to the resonance point.

IPC 8 full level

H01F 13/00 (2006.01)

CPC (source: EP US)

H01F 13/006 (2013.01 - EP US)

Citation (search report)

- [DA] DE 3005927 A1 19810903 - STEINGROEVER ERICH DR ING [DE]
- [A] DE 3500011 A1 19850613 - HIDDE AXEL R DR ING

Cited by

DE102008007896B4; DE102018127614A1; CN103545080A; CN117423525A; DE102020121738A1; DE102008007896A1; US7457095B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1796113 A1 20070613; US 2007133142 A1 20070614

DOCDB simple family (application)

EP 05027030 A 20051210; US 63630906 A 20061207