

Title (en)

METHOD AND DEVICE FOR MACHINING THE SURFACES OF OBJECTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OBERFLÄCHENBEHANDLUNG VON GEGENSTÄNDEN

Title (fr)

PROCEDE ET DISPOSITIF DE TRAITEMENT DE SURFACE D'OBJETS

Publication

**EP 1335813 A1 20030820 (DE)**

Application

**EP 01993526 A 20011108**

Priority

- DE 10055382 A 20001108
- EP 0112952 W 20011108

Abstract (en)

[origin: WO0238334A1] The invention relates to a method and device for machining the surfaces of objects by using at least one magnetic field and by carrying out a simultaneous mechanical machining. According to the invention, the object (8) to be machined is arranged in a manner that permits it to be displaced independent of the rotation drive (13) of the one inductor (1), and two working zones (20) are formed between the inductors (1, 4). In addition, at least one of the inductors (1, 4) is cylindrical, and the working surfaces of the inductors (1, 4) are arranged parallel to one another. The position of the rotatable inductor (1) with regard to the stationary inductor (4) is such that the working surface of the stationary inductor (4) does not cover the entire working surface of the rotatable inductor (1). Parallelepiped magnets (2, 6) and loadstones (3, 5) are arranged in an alternating manner inside the one inductor (4), and the magnets (2) are radially arranged inside the rotatable inductor (1).

IPC 1-7

**B24B 31/10**; **B24B 1/00**

IPC 8 full level

**B24B 1/00** (2006.01); **B24B 31/10** (2006.01)

CPC (source: EP)

**B24B 1/005** (2013.01); **B24B 31/102** (2013.01)

Citation (search report)

See references of WO 0238334A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0238334 A1 20020516**; AT E397514 T1 20080615; AU 2182602 A 20020521; DE 10055382 A1 20020523; DE 50113870 D1 20081002; EP 1335813 A1 20030820; EP 1335813 B1 20080604

DOCDB simple family (application)

**EP 0112952 W 20011108**; AT 01993526 T 20011108; AU 2182602 A 20011108; DE 10055382 A 20001108; DE 50113870 T 20011108; EP 01993526 A 20011108