

Title (en)

METHOD FOR PRODUCING SOFT-MAGNETIC SINTERED COMPONENTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WEICHMAGNETISCHEN SINTERBAUTEILEN

Title (fr)

PROCEDE POUR LA PRODUCTION D'ELEMENTS MAGNETIQUES DOUX FRITES

Publication

EP 1133577 B1 20030305 (DE)

Application

EP 99960891 A 19991111

Priority

- DE 9903588 W 19991111
- DE 19852699 A 19981116
- DE 19951963 A 19991028

Abstract (en)

[origin: WO0029631A1] The invention relates to a method for producing soft-magnetic sintered components, according to which first the shape of a green body is produced by pressing and said green body is then sintered. As starting materials (A, B, C) for pressing the green body a mixture (1) of a powder mix, which contains at least between 5 and 30 % by weight, in relation to the total starting materials, of fine powder and has a mean particle size of between 5 and 40 μ m, and a thermoplastic binder is used. This mixture is pressed (2) into the green body at a temperature higher than the softening temperature of the binder, after which the green body obtained in this way is sintered (3).

IPC 1-7

C22C 33/02; **B22F 1/00**; **H01F 1/22**; **B22F 3/02**

IPC 8 full level

C22C 33/02 (2006.01); **B22F 1/00** (2022.01); **B22F 3/00** (2006.01); **B22F 3/02** (2006.01); **H01F 1/22** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP)

H01F 1/22 (2013.01); **H01F 41/0246** (2013.01)

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

WO 0029631 A1 20000525; CN 1123645 C 20031008; CN 1326517 A 20011212; CZ 20011699 A3 20021016; CZ 300322 B6 20090422; EP 1133577 A1 20010919; EP 1133577 B1 20030305; ES 2194538 T3 20031116; JP 2002530522 A 20020917

DOCDB simple family (application)

DE 9903588 W 19991111; CN 99813335 A 19991111; CZ 20011699 A 19991111; EP 99960891 A 19991111; ES 99960891 T 19991111; JP 2000582609 A 19991111