

Title (en)

Magnetic cores of bulky and laminated types

Title (de)

Magnetkerne von körper oder laminiertes Typ

Title (fr)

Noyaux magnétiques du type à corps ou à laminé

Publication

EP 0899753 B1 20030108 (EN)

Application

EP 98306516 A 19980814

Priority

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Abstract (en)

[origin: EP0899753A1] A bulky magnetic core is disclosed which is composed of a magnetic core body derived by sintering a powdered stock of a soft magnetic glassy alloy, or by cooling a hot melt of the glassy alloy in solidified form, the glassy alloy containing one or more elements selected from Fe, Co and Ni as main components, one or more elements selected from Zr, Nb, Ta, Hf, Mo, Ti and V, and also B, the glassy alloy having a temperature interval DELTA Tx of higher than 20 DEG C in its supercooled liquid region, the DELTA Tx being represented by the equation DELTA Tx = Tx - Tg where Tx is a crystallization temperature, and Tg is a glass transition temperature. A laminated magnetic core is also disclosed in which a magnetic core body is derived by tholoidally winding or laminating a ribbon of the above soft magnetic glassy alloy. <IMAGE>

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Cited by

EP2929963A4; EP1610348A4; DE19907542A1; DE19907542C2; US6580348B1; US8327524B2; US8287664B2; US8298352B2; US7170378B2; US8372218B2

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