

Title (en)

PERMANENT MAGNETIC ALLOY WITH EXCELLENT HEAT RESISTANCE AND PROCESS FOR PRODUCING THE SAME

Title (de)

PERMANENTMAGNETISCHE LEGIERUNG MIT HERVORRAGENDEN WAERMERESISTENTEN EIGENSCHAFTEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

ALLIAGE MAGNETIQUE PERMANENT PRESENTANT UNE EXCELLENTE RESISTANCE A LA CHALEUR, ET SON PROCEDE DE PRODUCTION

Publication

EP 1026279 A1 20000809 (EN)

Application

EP 99933132 A 19990728

Priority

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- JP 22752298 A 19980729

Abstract (en)

A permanent magnet alloy having an improved heat resistance comprising, in terms of % by atom, 0.1 to 15 at.% C, 0.5 to 15 at.% B, provided that C and B in total account for 2 to 30 at.%; 40% or less Co (exclusive), 0.5 to 5 at.% in total of Dy and Tb, 8 to 20 at.% R, where R represents at least one element selected from the group consisting of Nd, Pr, Ce, La, Y, Gd, Ho, Er, and Tm; with the balance being Fe and unavoidable impurities.
<IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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