## Structural stability of amorphous alloy of modified Finemet type

M. Hurakova, <sup>1</sup> K. Csach, <sup>1</sup> A. Jurikova, <sup>1</sup> J. Miskuf, <sup>1</sup> M. Rajnak, <sup>1</sup> and T. Kvackaj<sup>2</sup>

<sup>1</sup>Institute of Experimental Physics, Slovak Academy of Sciences, Košice, Slovakia <sup>2</sup>Department of Metals Forming, Faculty of Metallurgy, Technical University of Košice, Košice, Slovakia

The Finemet type amorphous alloys are well known as high frequency soft magnetic materials. Because of the lack of crystalline anisotropy, they have good soft magnetic properties characterized by low coercive force and high permeability. The structural stability of Finemet type amorphous alloy modified by Mn, Al and Cr was studied using calorimetric measurements of the Curie temperature. With increasing the crystalline portion in the samples, the Curie transition is shifted to the higher temperatures.

The work was supported by the project in the frame of SF EU No. 26110230097.