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(71) Applicant: **ALOTEK LTD** [BG/BG]; j.k.Razsadnik, bl.87, v.h.G, ground fl., 1330 Sofia (BG).

(72) Inventors: **TKACHUK, Ivan**; Darnickij Blvd. 3-A, app.77, 02192 Kiev (UA). **KOZYRSKYI, Volodymyr**; Prospect Glushkov Akademyk, 9v, app.462, 03187 Kiev (UA).

(74) Agent: **SHENTOVA, Violeta Varbanova**; 11, Damyan Gruev Str., 1606 Sofia (BG).

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(54) Title: METHOD FOR FLEXIBLE MANUFACTURING OF INTERMETALLIC COMPOUNDS AND DEVICE FOR MAKING THEREOF

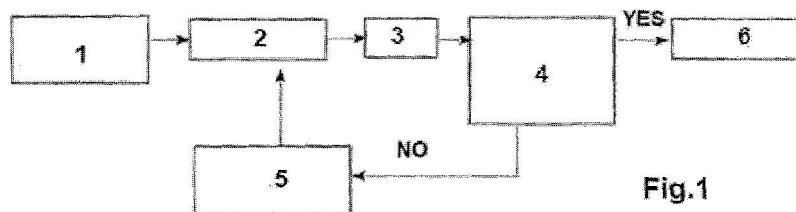


Fig.1

(57) Abstract: The invention relates to a method and apparatus for the flexible manufacture of intermetallic compounds, including those with shape memory effect. The method and the device can find mass application in the industrial production of modern functional and innovative products based on intermetallic compounds with predetermined physico-mechanical parameters and properties. The method includes the steps of taking an intermediate sample of the melt, measuring the actual physico-mechanical properties and material characteristics of the sample and tuning the composition and/or the operating mode parameters of the melting furnace. The device includes measuring module (I) and module (II) for displaying and storing information.



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