

[54] MAGNETIC DEVICES
[75] Inventors: Robert M. Pettigrew, Foxton;
Stephen H. Chambers, Willingham;
Dafydd G. Davies, Cambridge, all of
United Kingdom

[73] Assignee: Scientific Generics Limited, King's
Court, United Kingdom

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428/622; 428/626; 428/650; 428/651; 428/679;
340/551; 340/572

[58] Field of Search 428/607, 611, 622, 626,
428/632, 650, 651, 679; 340/551, 572; 335/296;
206/309, 387, 807

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Primary Examiner—Theodore Morris
Assistant Examiner—George Wyszomierski
Attorney, Agent, or Firm—Sixbey, Friedman, Leedom &
Ferguson

[57] ABSTRACT

Magnetic devices are disclosed which include an article comprising a substrate and a thin coating of a magnetic material, in which:

(a) said substrate is a flexible, laminar material; (b) said magnetic material is an amorphous metal glass of high intrinsic magnetic permeability, with low or substantially zero magnetostriction, and with low coercivity; and (c) said thin coating of a magnetic material is not greater than 6 microns in thickness. This article can be used as, or to make, an antipilferage tag or marker. Deactivation materials and configurations are also disclosed, as well as techniques, in particular sputtering or PVD, for producing such a tag.

57 Claims, 4 Drawing Sheets

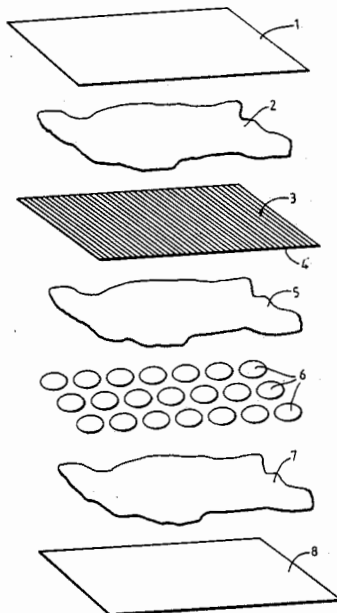


Fig. 1.

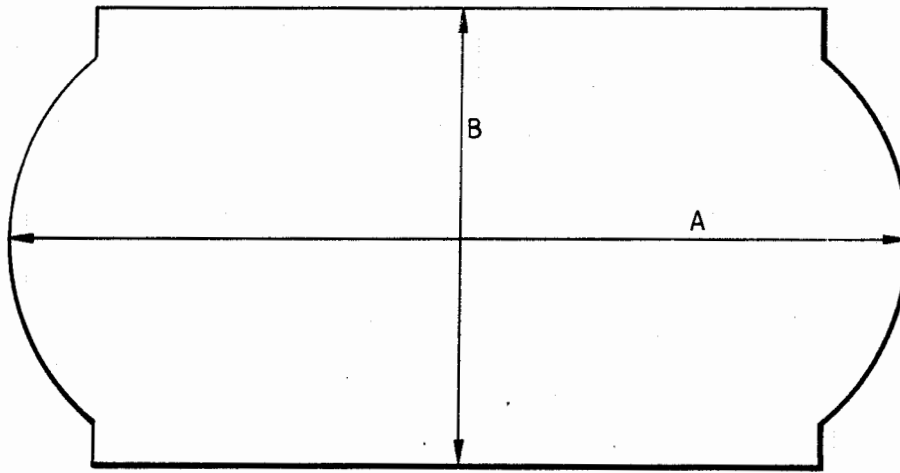


Fig. 2.

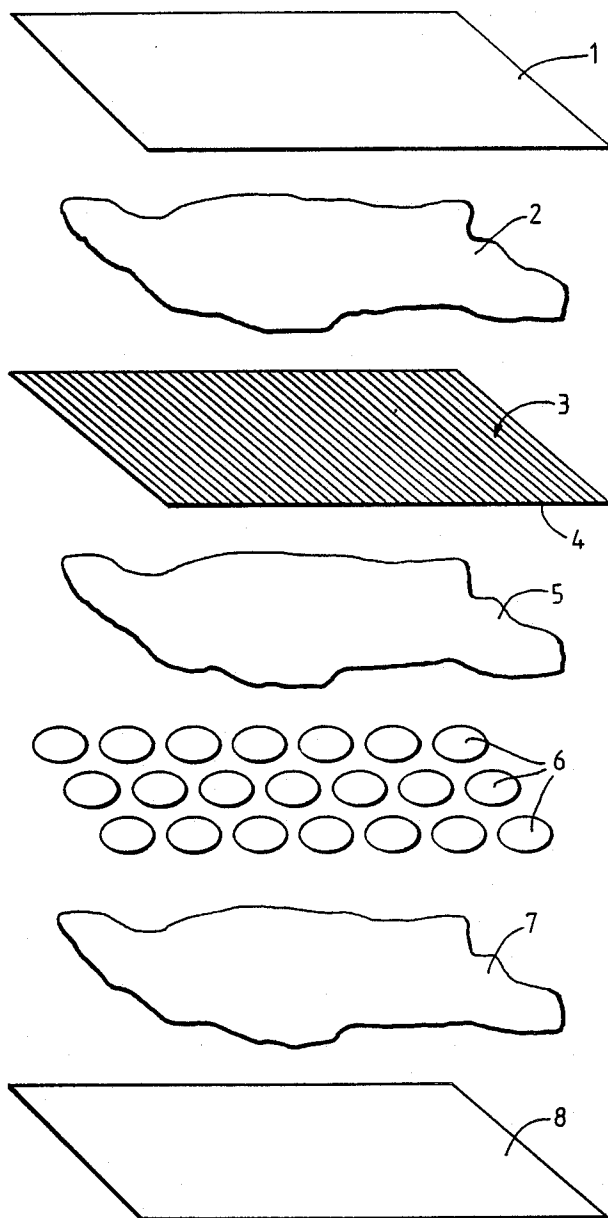


Fig. 3. FLOW CHART FOR ONE METHOD OF THIN FILM TAG PRODUCTION

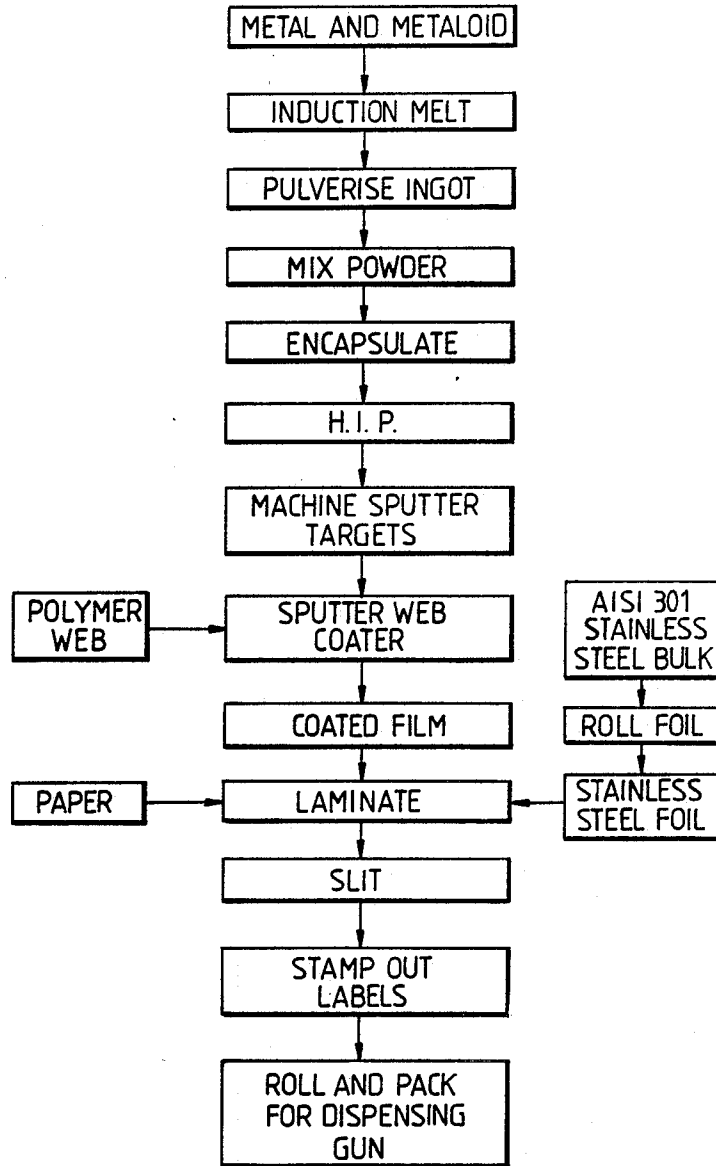


Fig. 4 (a)

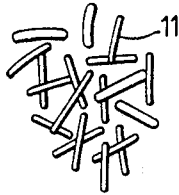


Fig. 4 (b)

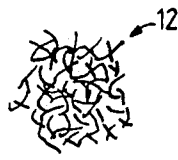


Fig. 4 (c)

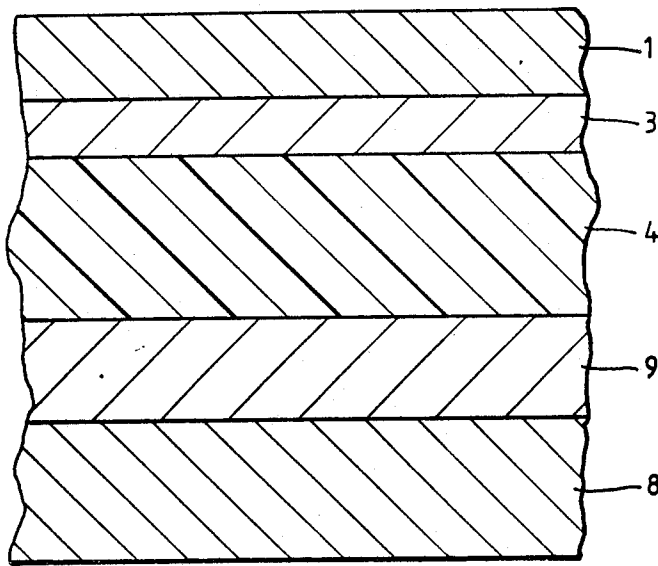


Fig. 5.

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