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Maezawa et al.

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(54) **ELECTROMAGNETIC INTERFERENCE SUPPRESSOR, ANTENNA DEVICE AND ELECTRONIC INFORMATION TRANSMITTING APPARATUS**

(58) **Field of Classification Search** 343/841, 343/700 MS; 428/447, 448, 403, 692.1
See application file for complete search history.

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(73) Assignee: **Nitta Corporation**, Osaka (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 68 days.

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§ 371 (c)(1),
(2), (4) Date: **Jun. 1, 2007**

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(57) **ABSTRACT**

An electromagnetic interference suppressor of substantially unpressurized sheet form is obtained by applying and drying a magnetic paint, and comprises 30 to 80% by volume of soft magnetic powder and 20 to 70% by volume of a binder. The binder is an elastomer or a resin that a glass transition point and/or a softening point is 50° C. or more and a storage modulus (E') is 10⁷ Pa (JIS K 7244-1) or more in a state containing neither solvent nor filler at room temperature. This electromagnetic interference suppressor exerts a superior electromagnetic interference suppressing effect.

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Dec. 3, 2004 (JP) 2004-350615

(51) **Int. Cl.**
H01Q 1/52 (2006.01)

(52) **U.S. Cl.** **343/841; 428/447**

20 Claims, 14 Drawing Sheets

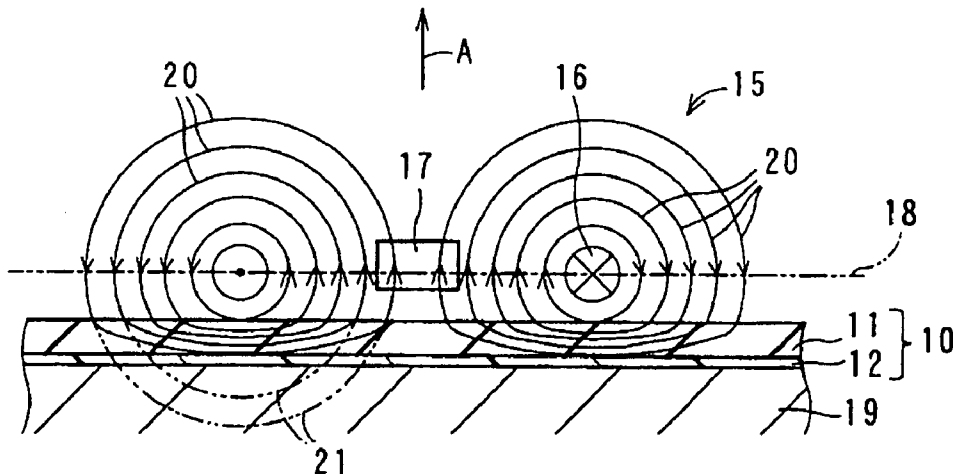


Fig. 1

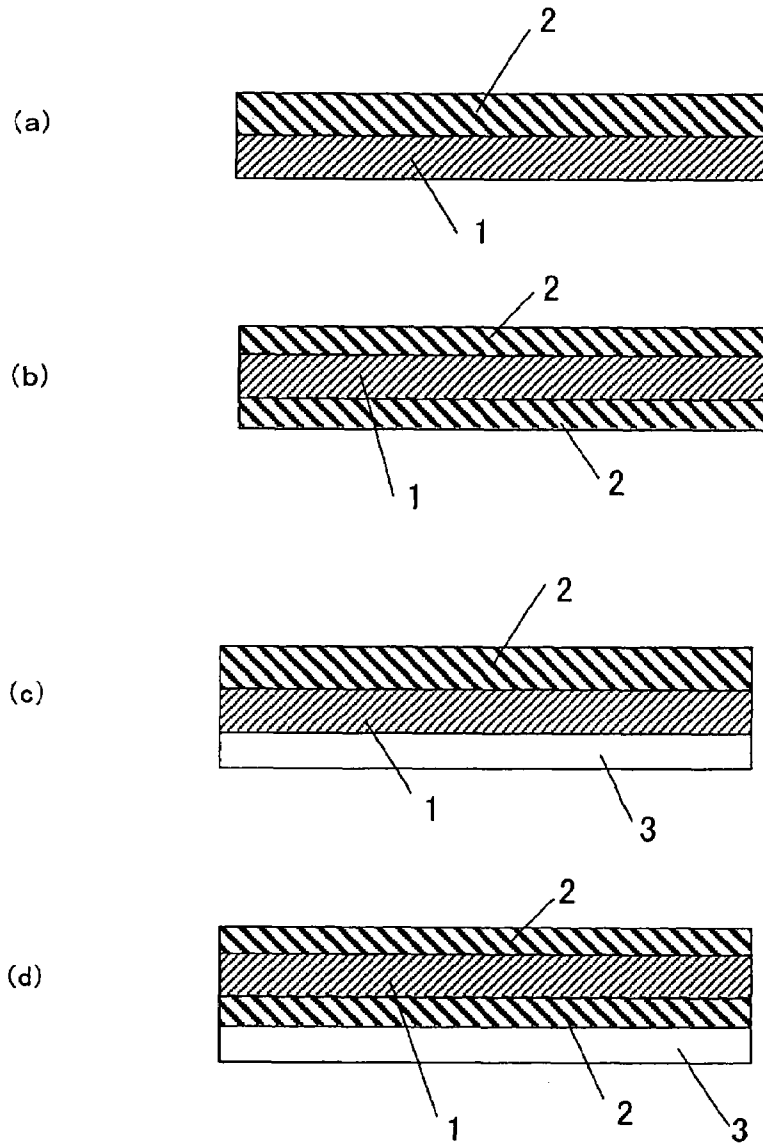


Fig. 2

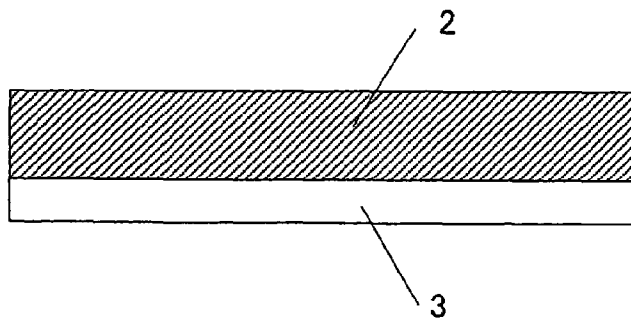


Fig. 3

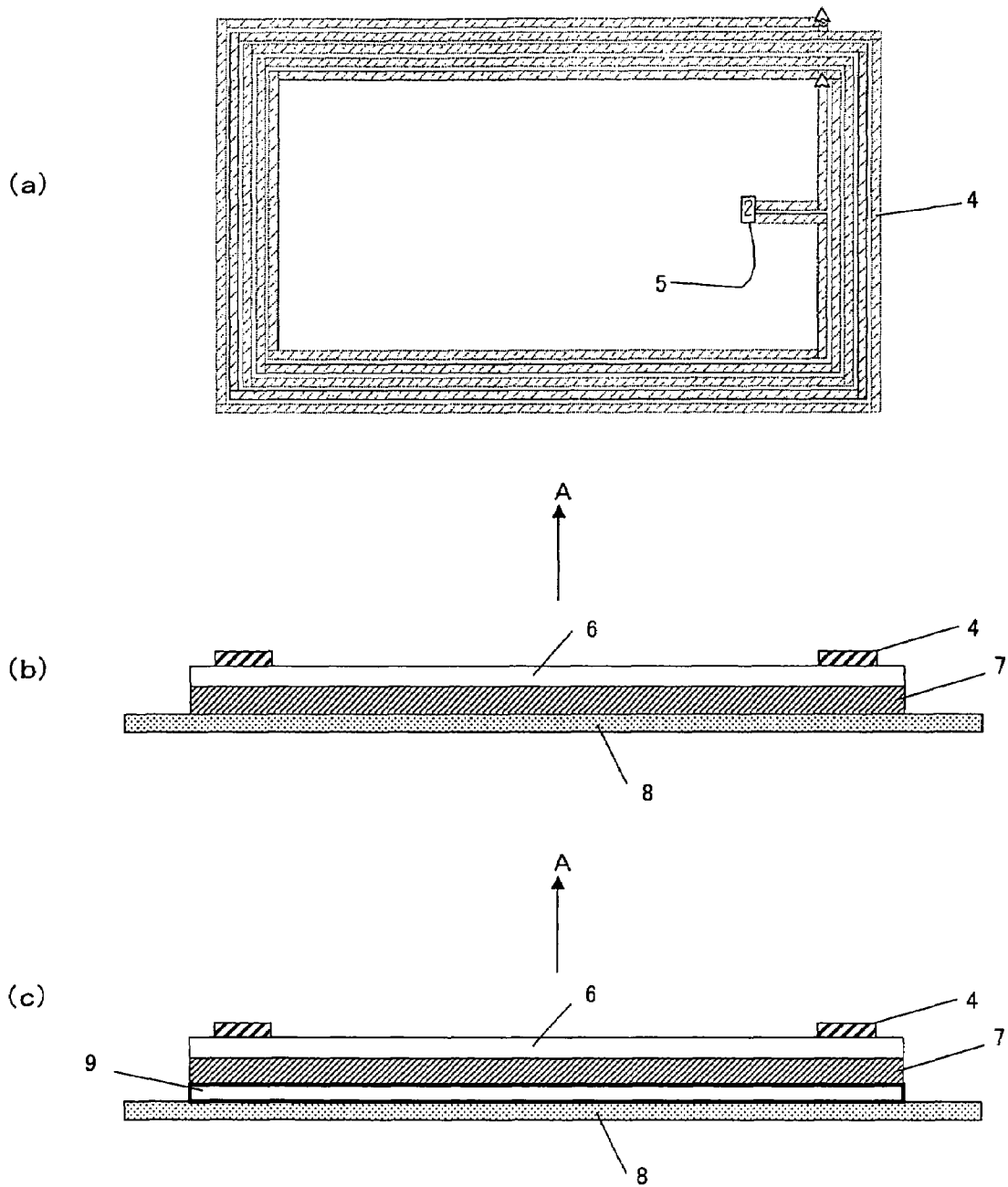


Fig. 4

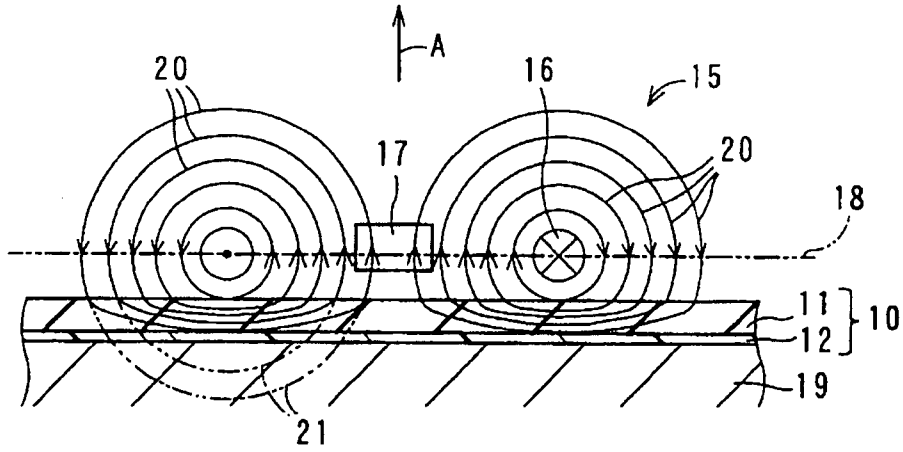


Fig. 5

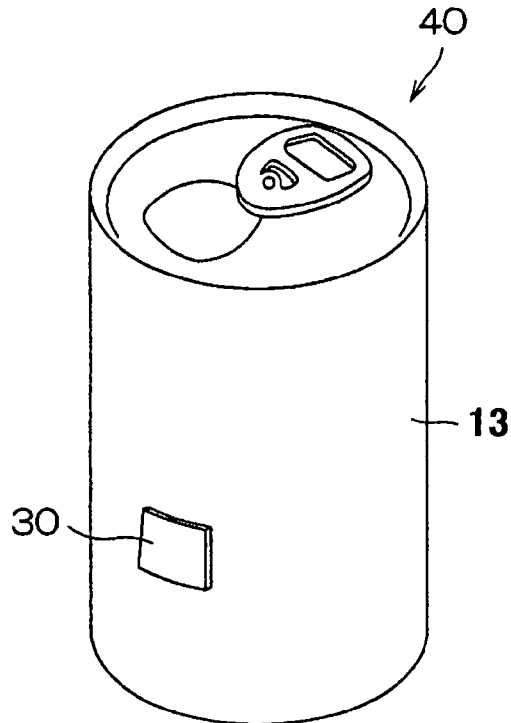
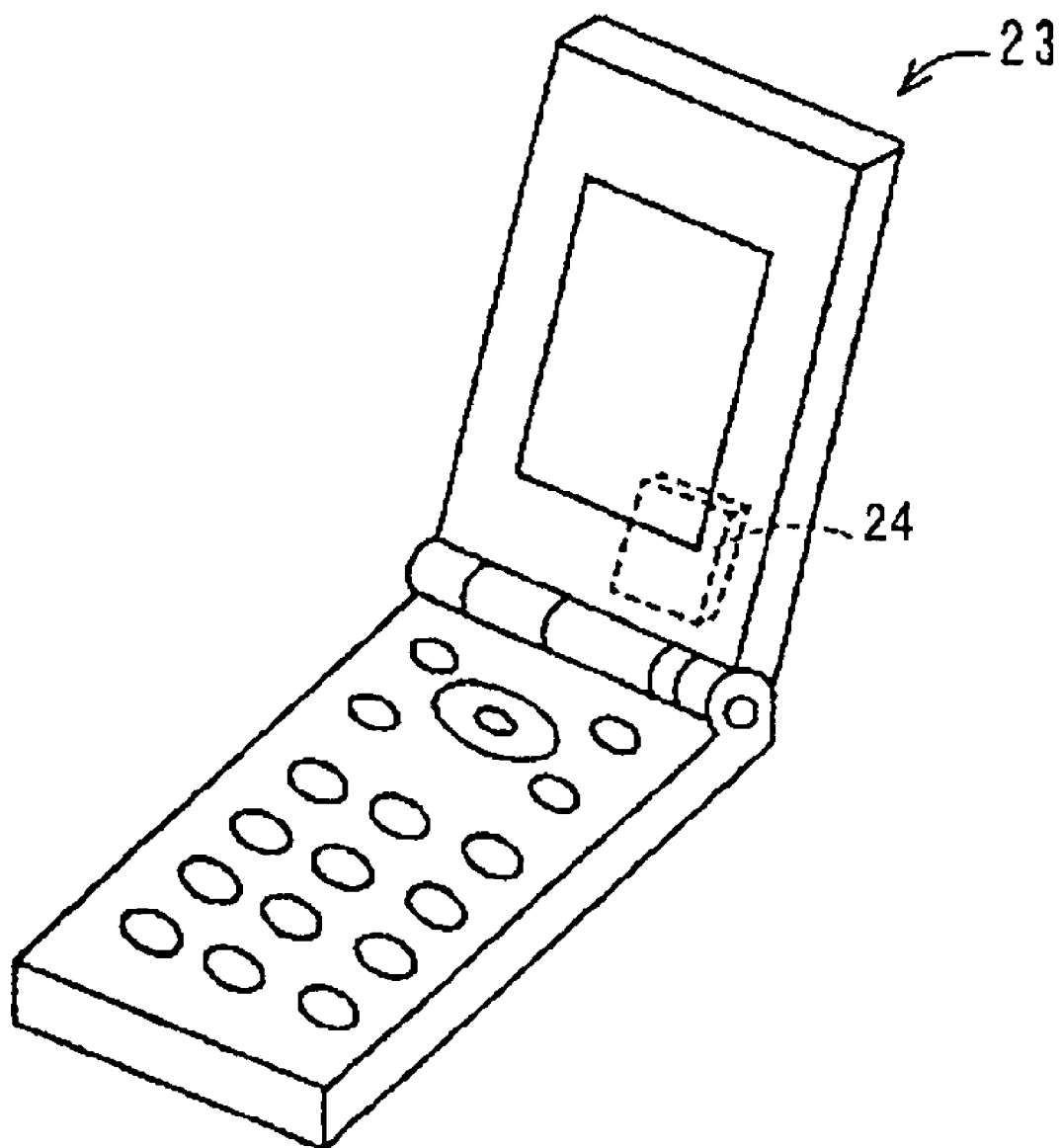


Fig. 6



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