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(12) **United States Patent**  
**Gabower**

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(54) **ELECTROMAGNETIC INTERFERENCE SHIELDS FOR ELECTRONIC DEVICES**

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(21) Appl. No.: **10/659,838**

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**Related U.S. Application Data**

(60) Continuation of application No. 09/732,235, filed on Dec. 7, 2000, now Pat. No. 6,624,353, which is a continuation of application No. 08/958,595, filed on Oct. 29, 1997, now Pat. No. 6,570,085, which is a division of application No. 08/463,297, filed on Jun. 5, 1995, now Pat. No. 5,811,050, which is a continuation-in-part of application No. 08/254,250, filed on Jun. 6, 1994, now abandoned.

(51) **Int. Cl.**  
**H05K 9/00** (2006.01)

(52) **U.S. Cl.** ..... **174/378; 174/390**

(58) **Field of Classification Search** ..... 174/35 R, 174/35 MS, 378, 390; 361/816, 818  
See application file for complete search history.

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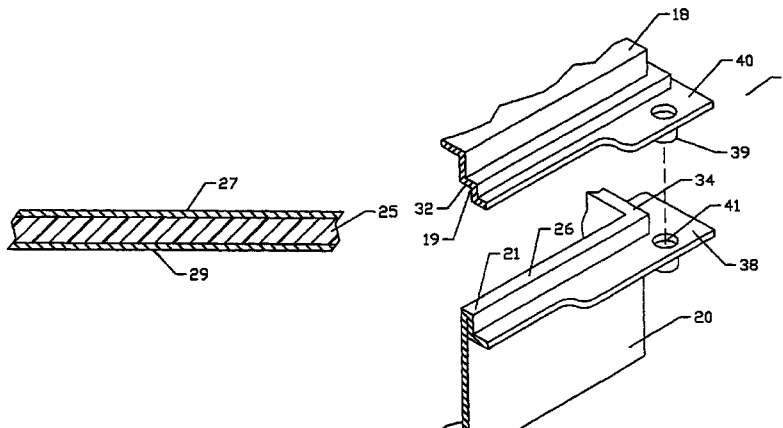
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(57) **ABSTRACT**

An EMI shield for personal computers, cellular telephones, and other electronic devices is constructed from thermoformable polymeric material which is then metallized on all surfaces by vacuum metallization techniques to provide an inexpensive, lightweight, yet effective EMI shield.

**12 Claims, 5 Drawing Sheets**



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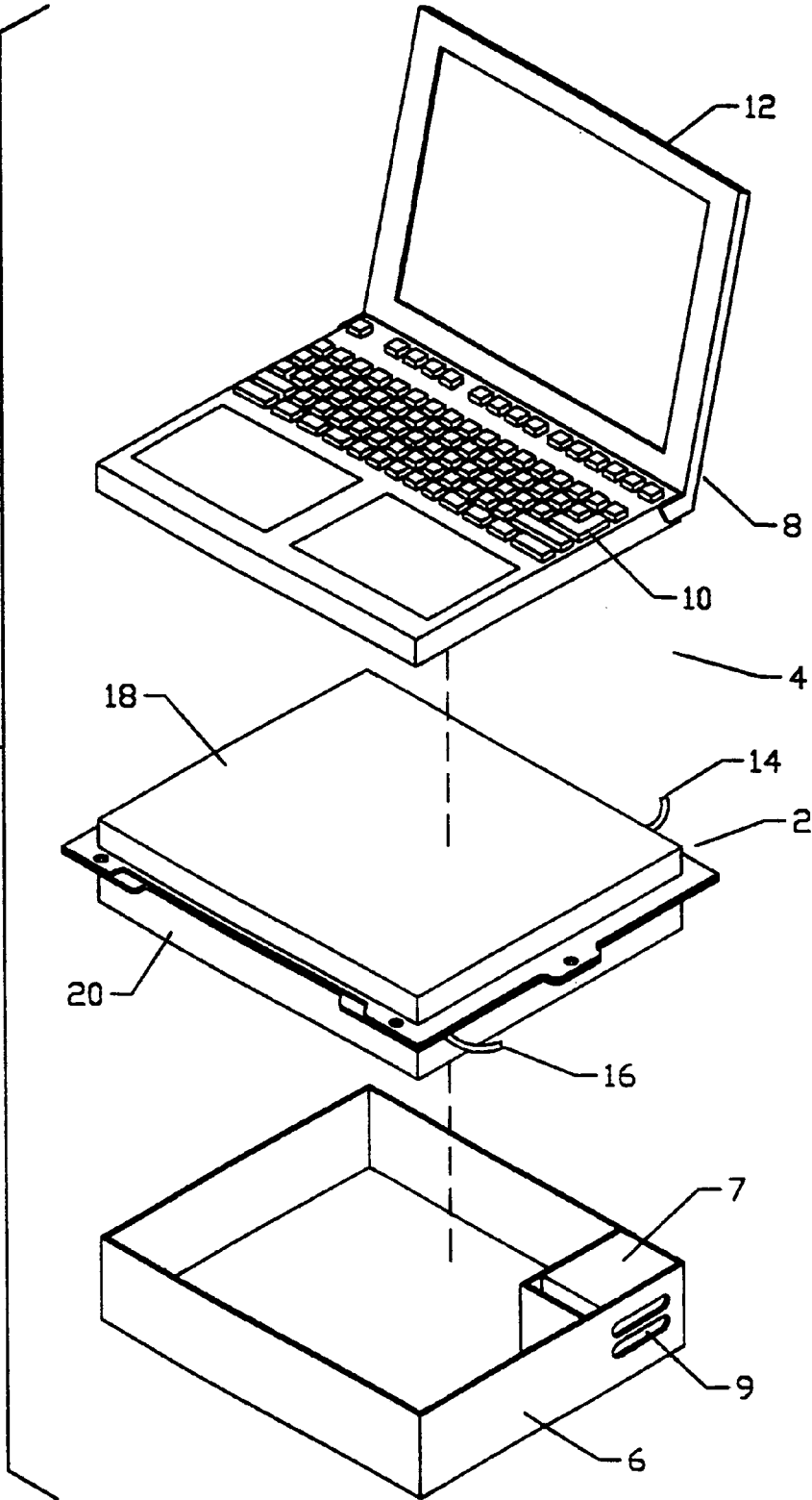
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FIGURE 1



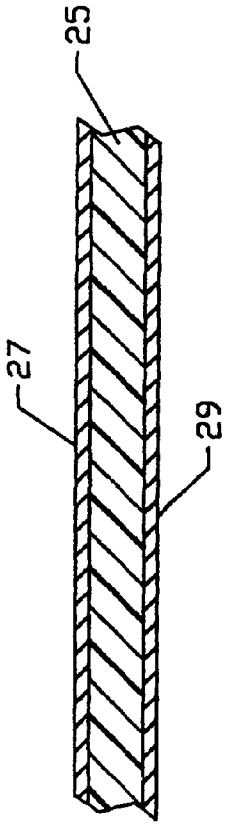


FIGURE 2

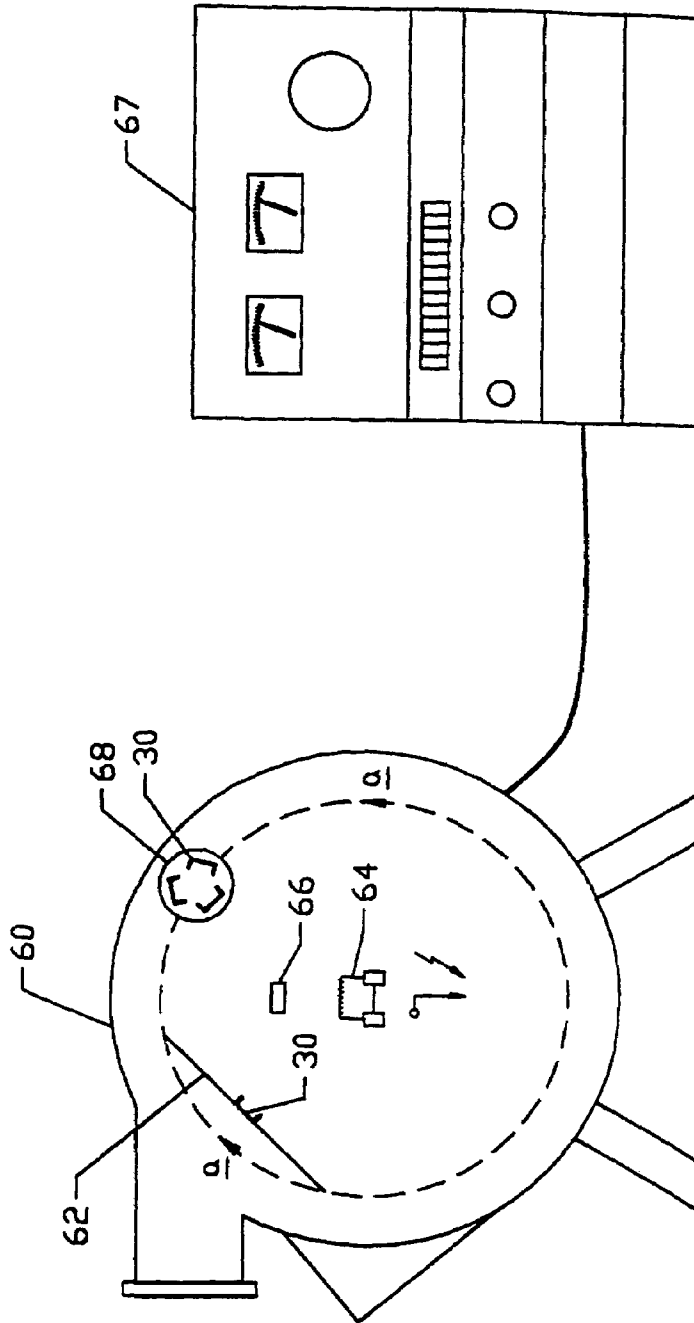


FIGURE 3

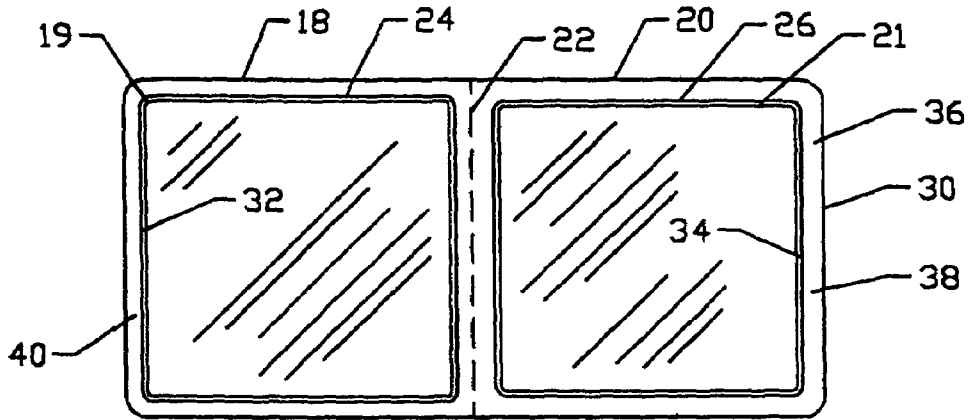


FIGURE 4

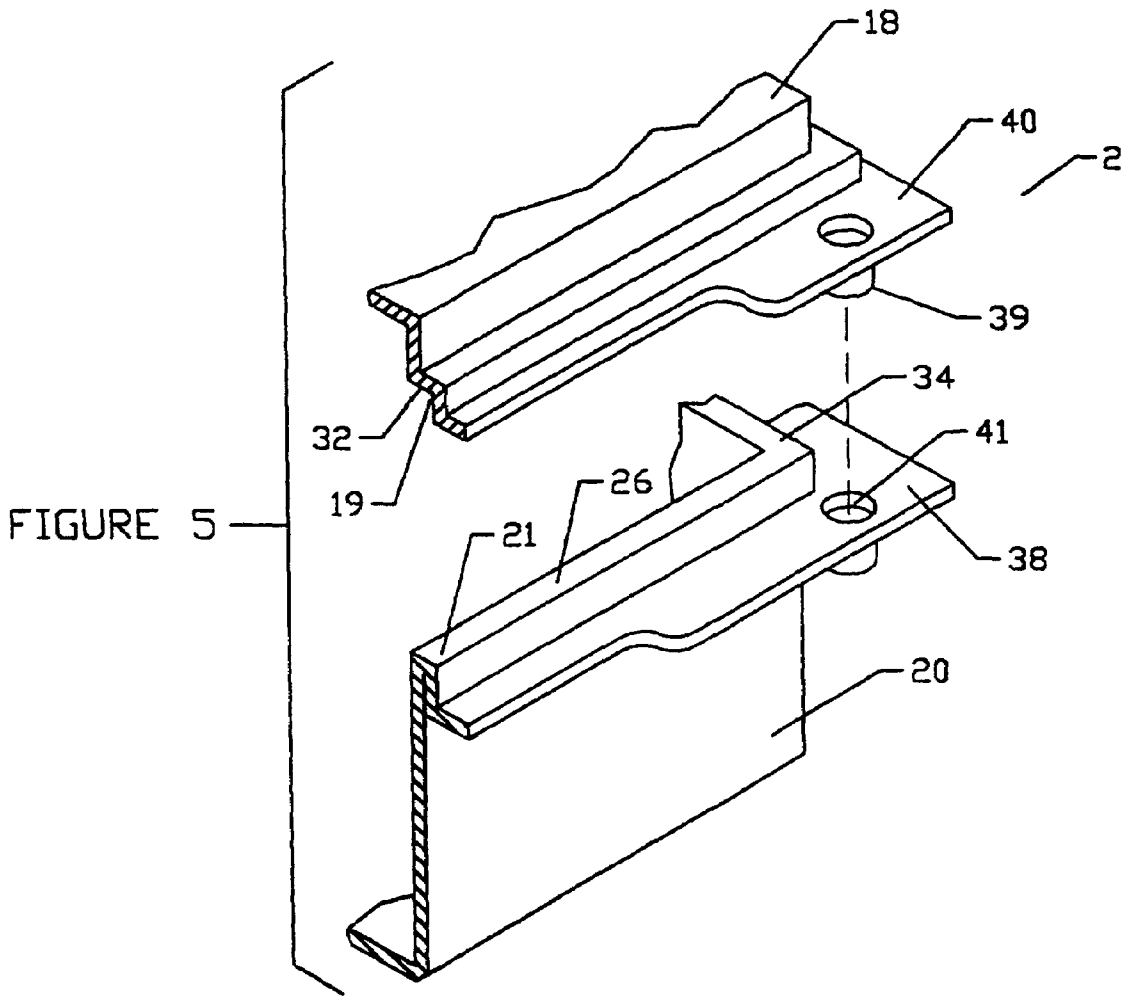


FIGURE 5

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