



(12) **United States Patent**
Yang

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(54) **MAT USED IN CARS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/354,067**

(22) Filed: **Jul. 15, 1999**

(30) **Foreign Application Priority Data**

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(51) **Int. Cl.⁷** **B32B 3/00**; B62D 25/20; A47K 7/02

(52) **U.S. Cl.** **428/172**; 428/85; 428/95; 428/192; 296/97.23; 15/215

(58) **Field of Search** 428/95, 85, 172, 428/78, 167, 192, 318.4; 296/97.23; 5/417, 420; 15/215

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,725,926 * 3/1998 Wang 428/78

* cited by examiner

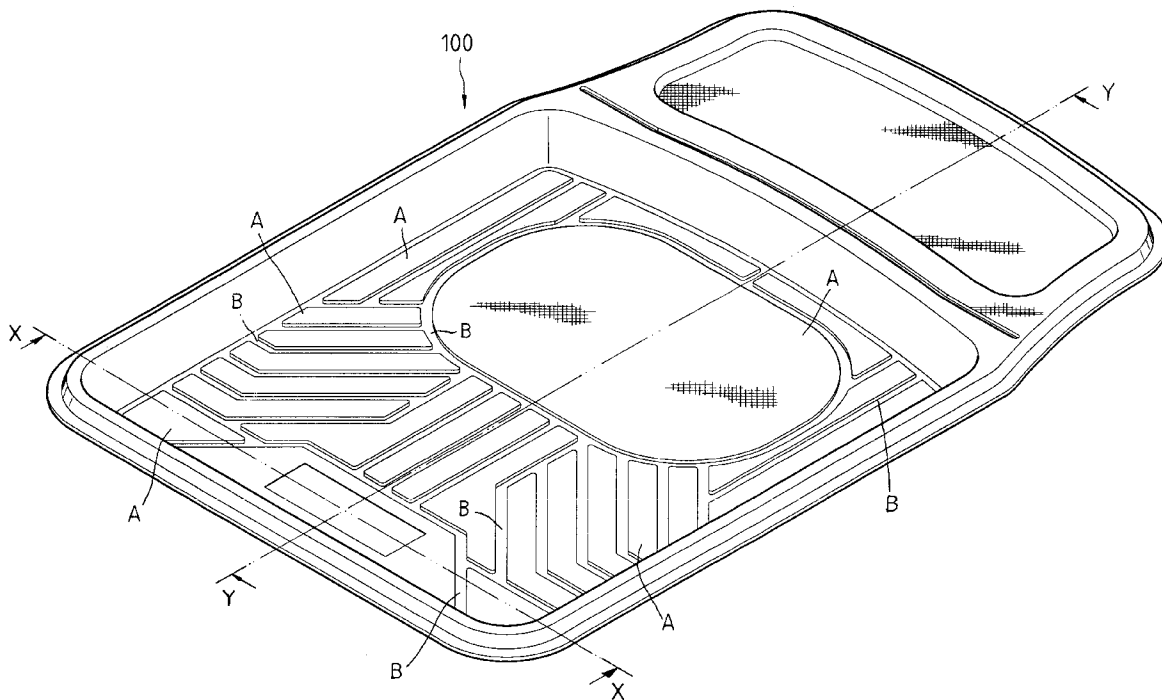
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(57) **ABSTRACT**

An improved mat used in cars includes an upper polyester fabric layer, a middle polyvinylchloride (PVC) layer, and a foam-coated under net layer. All three layers are placed together, and bound to form a laminated plate-shaped object. The plate-shaped mat is formed by multiple symmetrical umbos that define multiple symmetrical bevel grooves between these umbos. The sideways grooves can collect the muck from a person's shoes. When convenient, a person can take the mat out to wash without dirtying the carpet. Foam particles on the under net layer of the mat prevent the mat from moving on the carpeted floor of the vehicle.

2 Claims, 4 Drawing Sheets



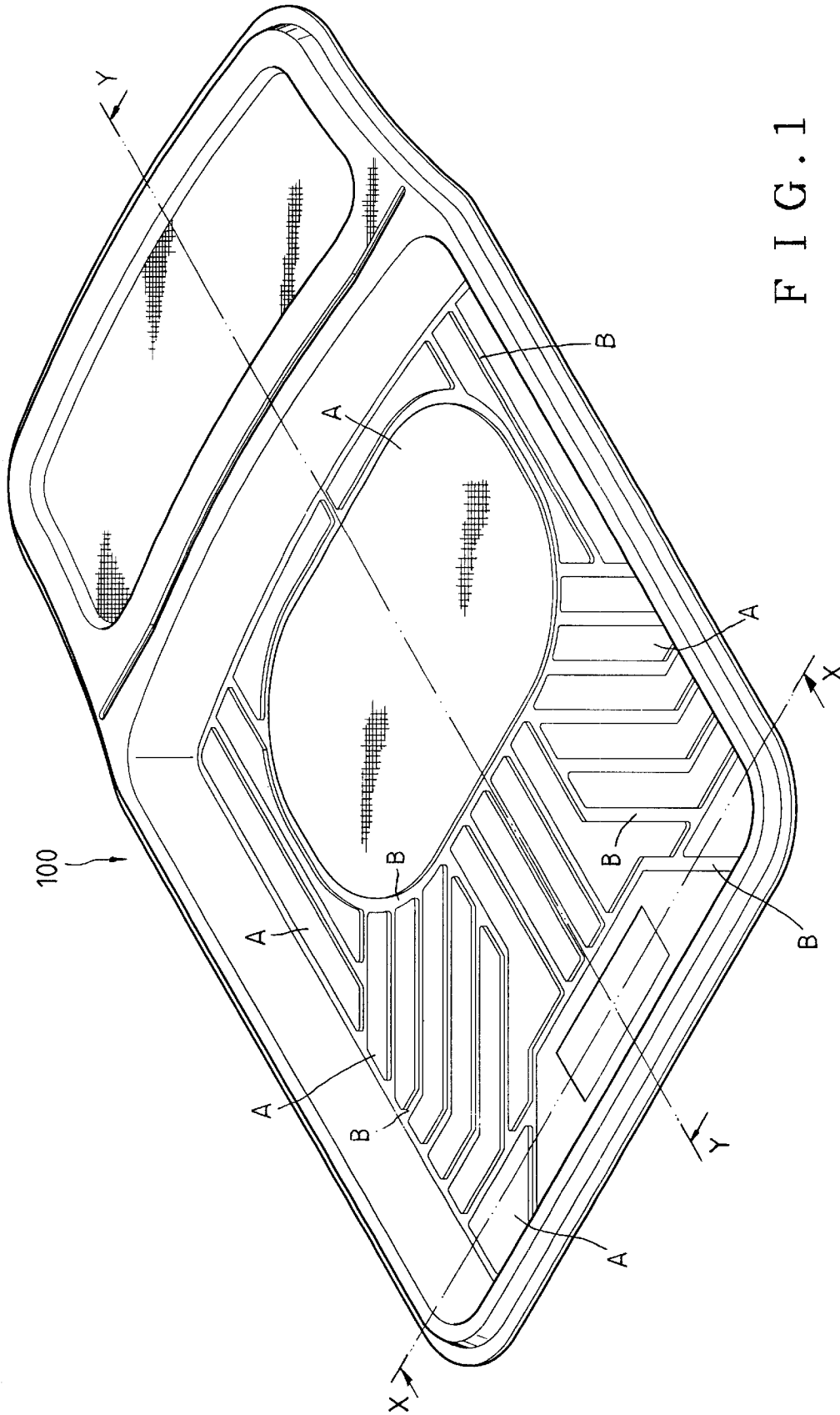


FIG. 1

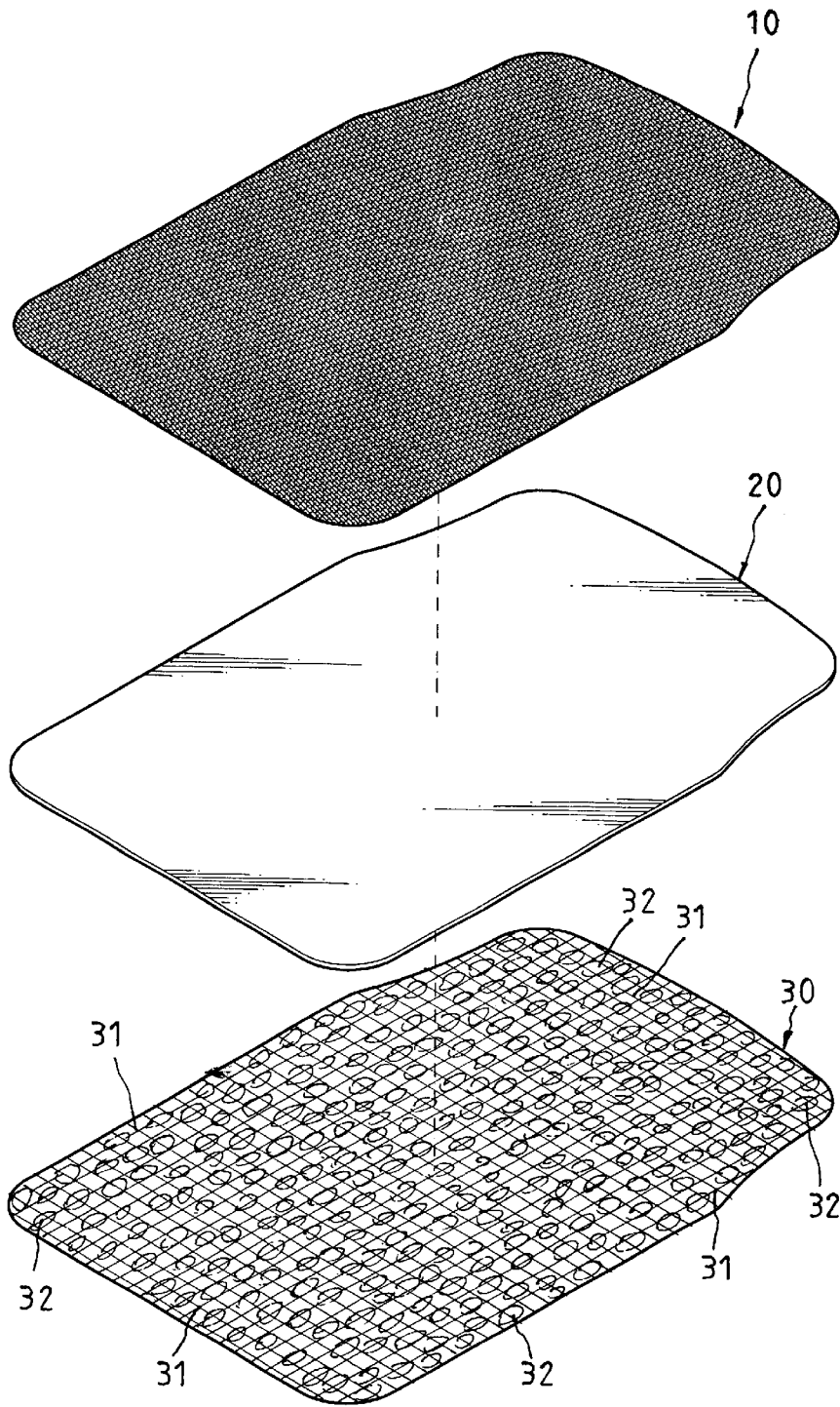


FIG. 2

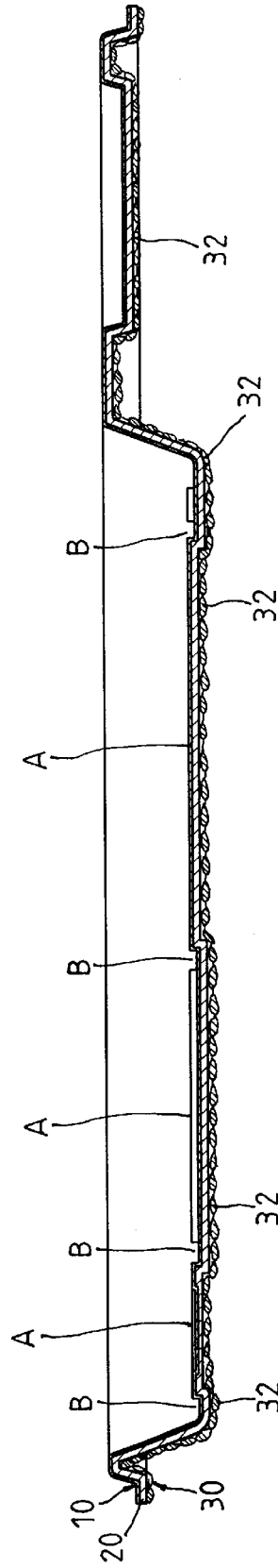


FIG. 3

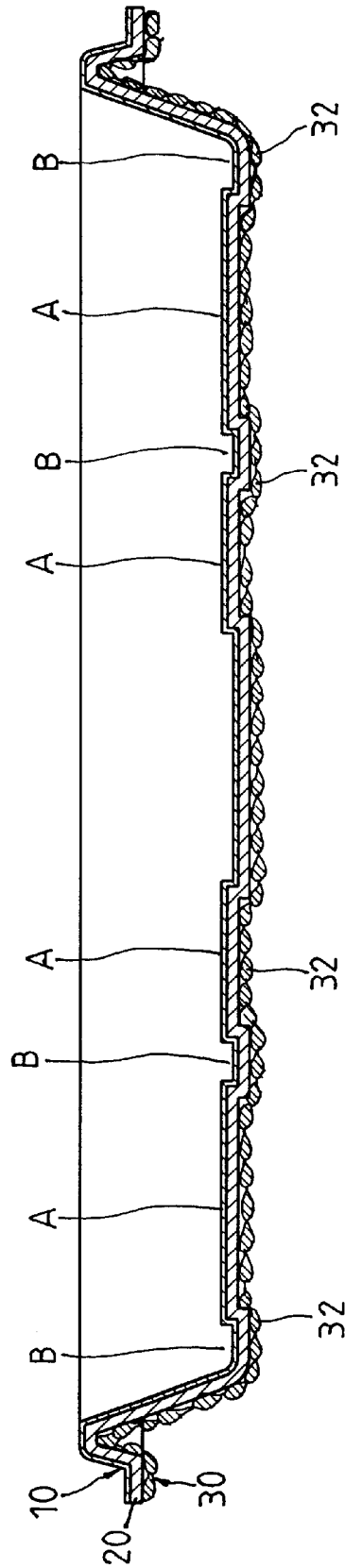


FIG. 4

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