



[54] **MOLDED MATS WITH RELEASABLE FLOOR ATTACHMENT SYSTEM**

[75] Inventor: **Raymond O. Sherman**, Fairfield, Ohio

[73] Assignee: **Nifty Products, Inc.**, Hamilton, Ohio

[*] Notice: This patent is subject to a terminal disclaimer.

[21] Appl. No.: **09/072,731**

[22] Filed: **May 4, 1998**

[51] Int. Cl.⁷ **B62D 25/20**; B32B 3/02

[52] U.S. Cl. **296/97.23**; 428/99; 16/4

[58] Field of Search 296/97.23; 428/99, 428/100; 16/4, 17.1, 16, 8

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,651,540	9/1953	Zullo	.....	296/97.23
3,391,959	7/1968	Stata	.....	296/97.23
4,588,628	5/1986	Roth	.....	428/99 X
4,921,742	5/1990	Altus	.....	428/99 X
4,984,838	1/1991	Kim	.....	296/97.23 X
5,207,963	5/1993	Grace	.....	264/163

5,288,121	2/1994	Graves	.....	296/97.23 X
5,891,546	4/1999	Sherman	.....	296/97.23 X
6,027,782	2/2000	Sherman	.....	428/88

FOREIGN PATENT DOCUMENTS

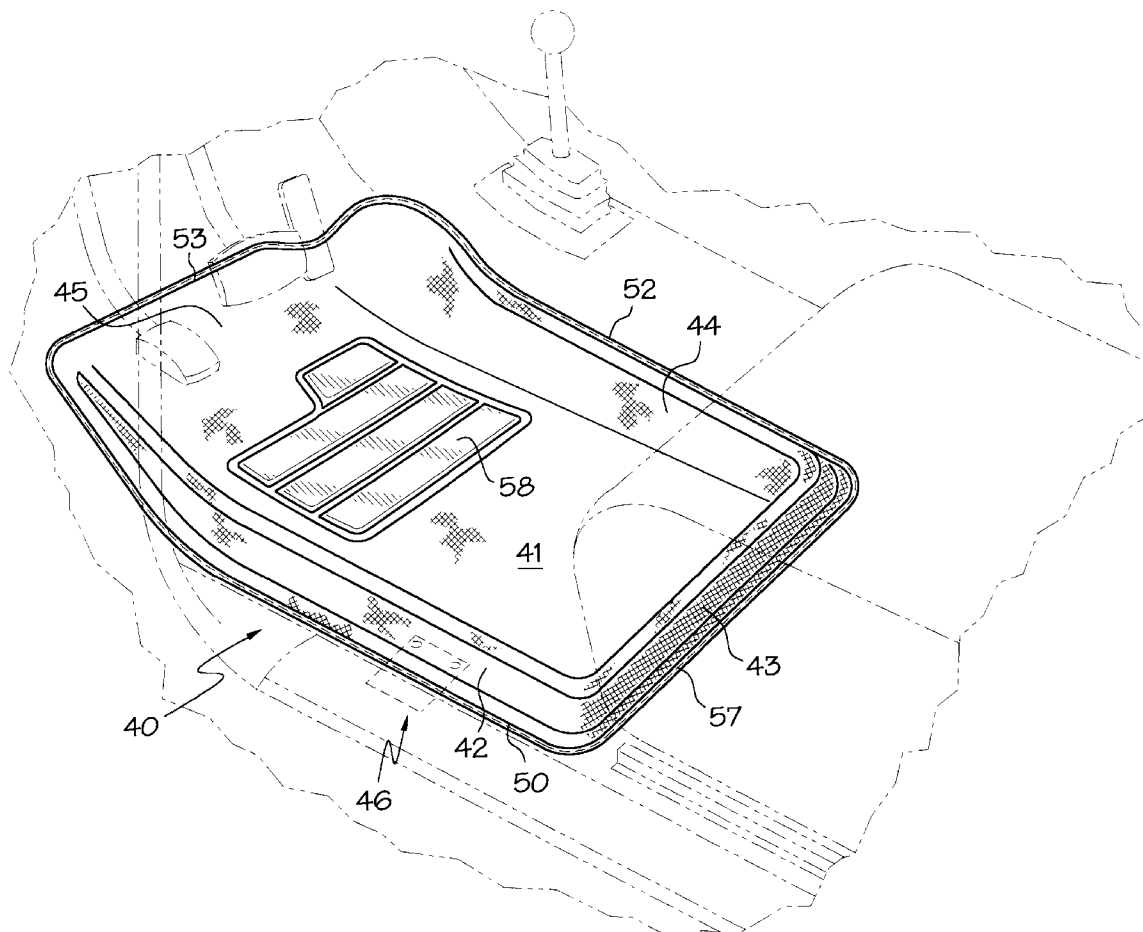
58-183322	10/1983	Japan	.....	296/97.23
9116218	10/1991	WIPO	.....	296/97.23

Primary Examiner—D. Glenn Dayoan
Assistant Examiner—Patricia Engle
Attorney, Agent, or Firm—Charles R. Wilson

[57] **ABSTRACT**

A floor mat is produced to fit the carpeted floor compartment area of a van, pickup truck, sport utility vehicle or other vehicle having a floor which is substantially flat and even with a door sill. The floor mat has a flat base with a retention system operably associated with the door sill. In one embodiment, the floor mat has raised walls near each of its outside edges which form a tray-like central area. At least one of the raised walls is double walled with a substantially horizontally extending floor engaging peripheral lip. The tray-like central area of the floor mat catches debris. It is readily cleaned simply by removing the full mat from the vehicle.

23 Claims, 10 Drawing Sheets



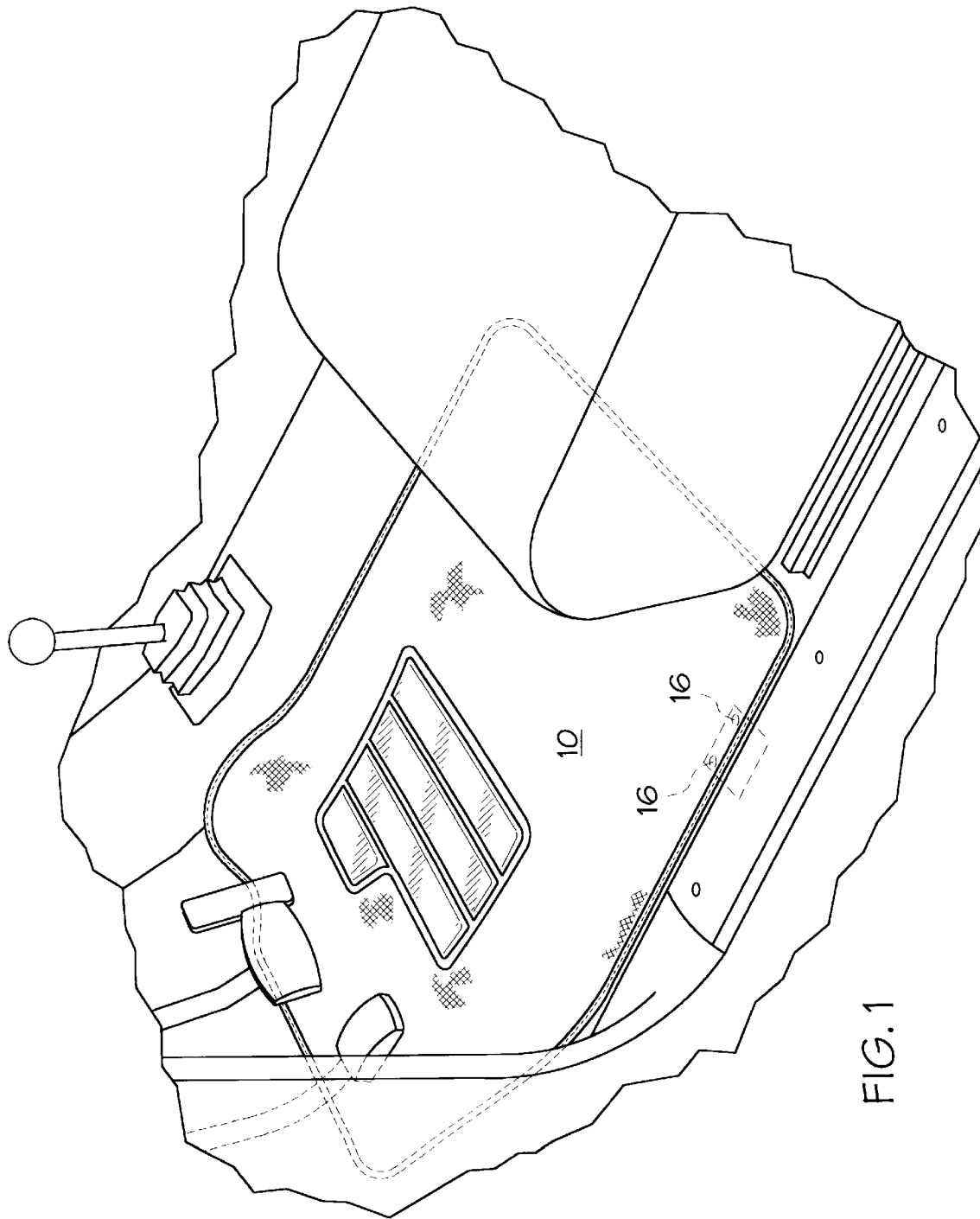


FIG. 1

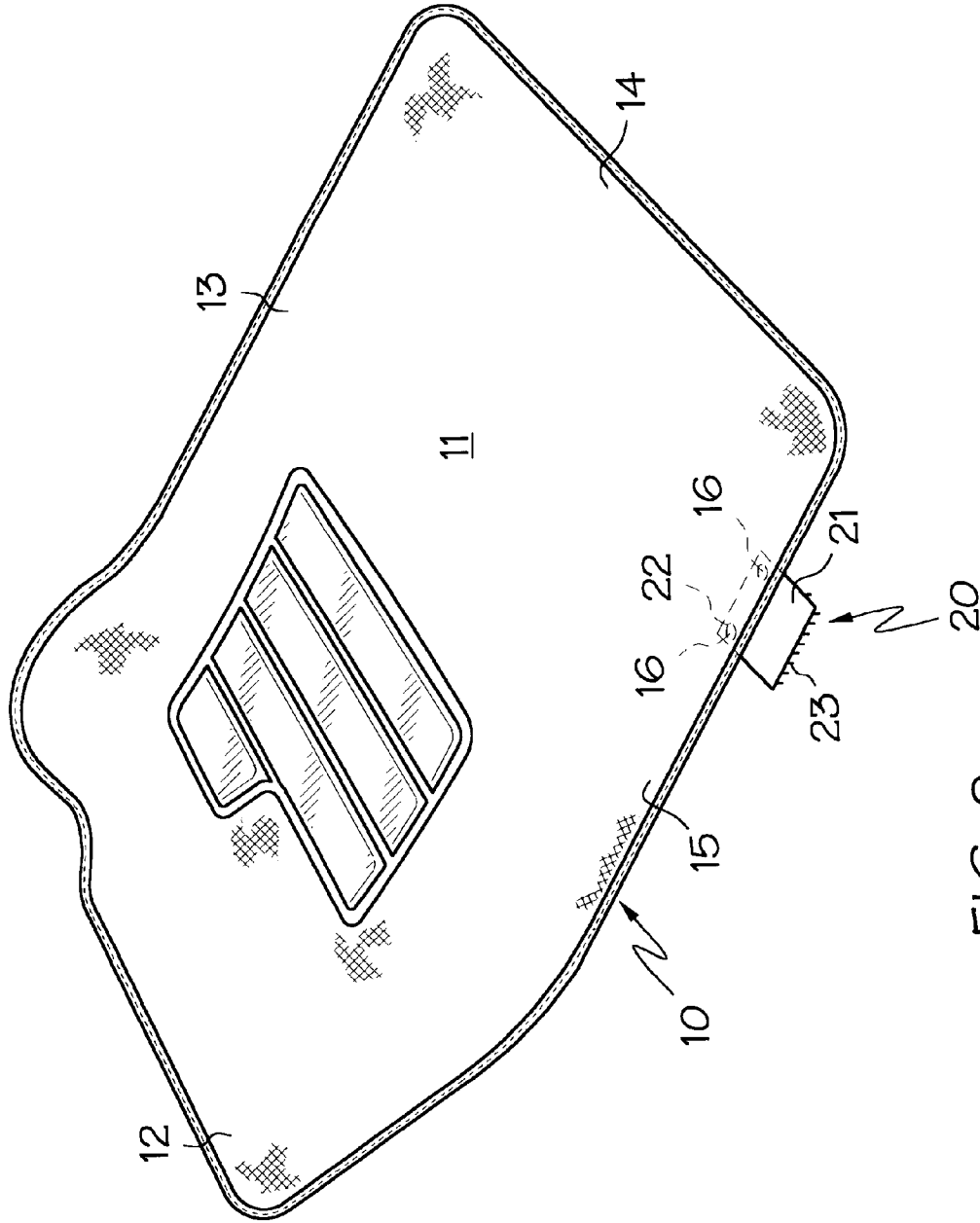


FIG. 2

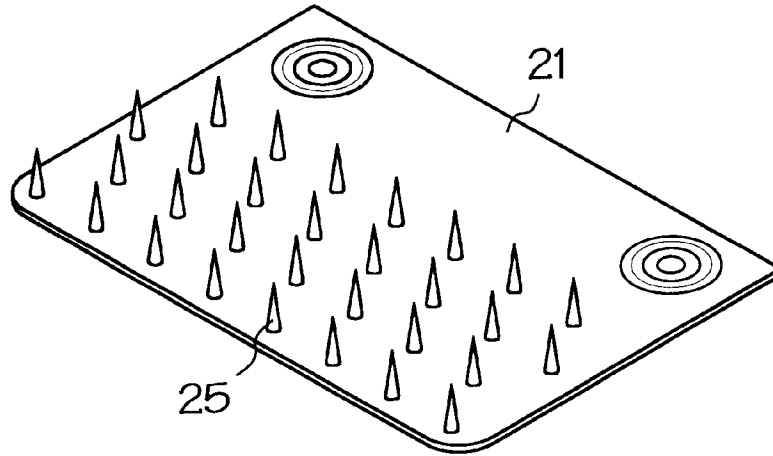


FIG. 3

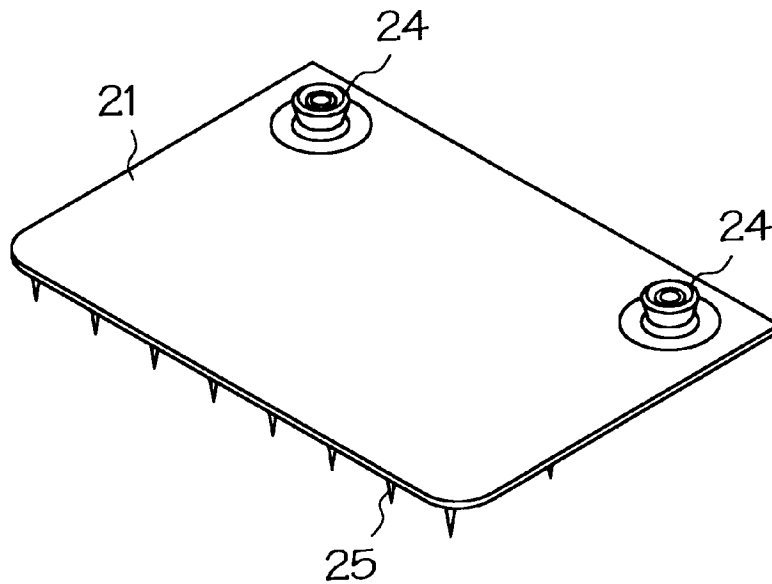


FIG. 4

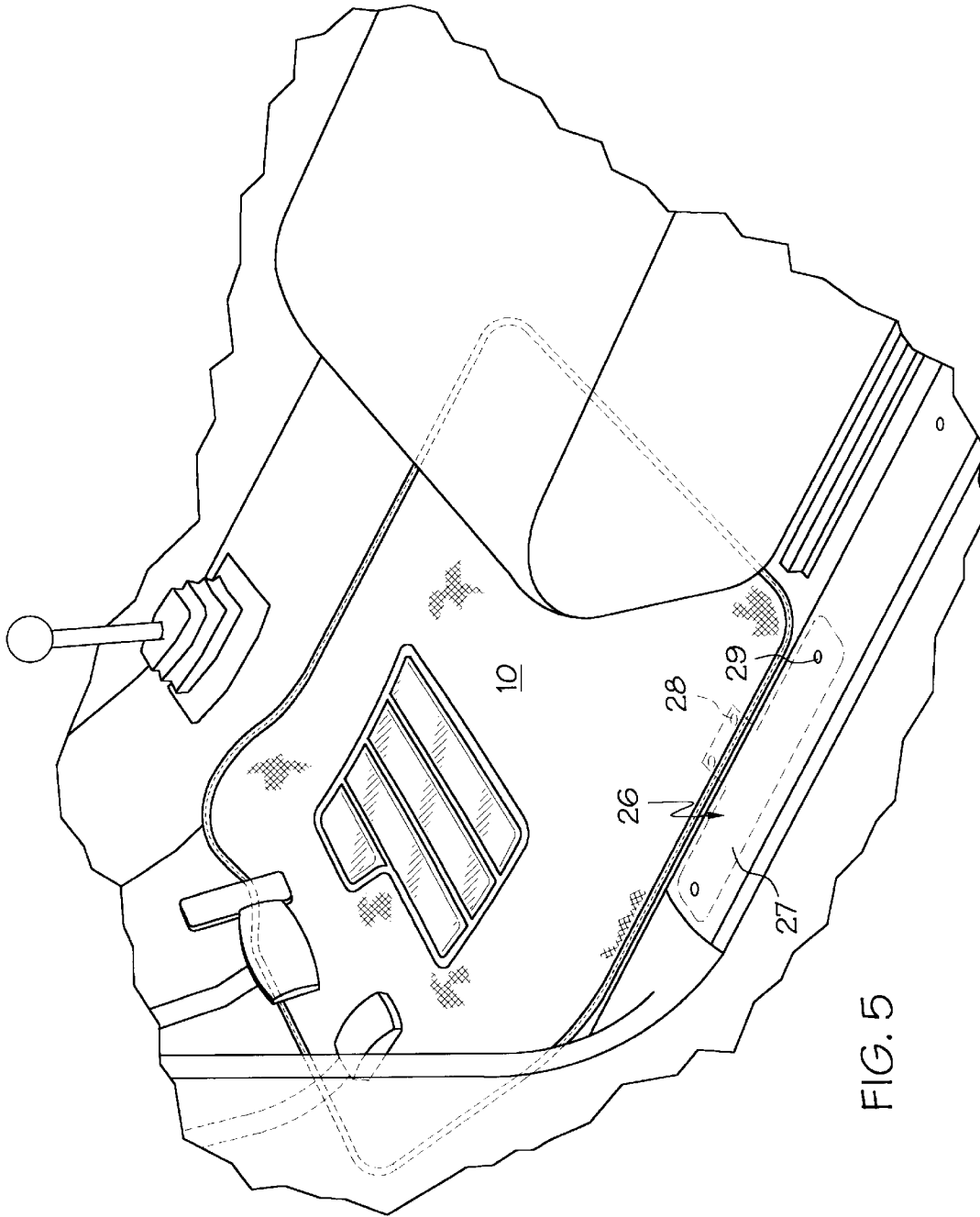


FIG. 5

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.