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**MacNeil**

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(54) **CLOSE-CONFORMING VEHICLE FLOOR TRAY WITH RESERVOIR**

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(51) **Int. Cl.**

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**B62D 25/20** (2006.01)

(52) **U.S. Cl.** ..... **29/897.2**; 29/527.1; 29/407.05; 33/503; 296/97.23; 73/1.79

(58) **Field of Classification Search** ..... 29/897.2, 29/527.1, 407.05; 33/503; 296/97.23; 73/1.79  
See application file for complete search history.

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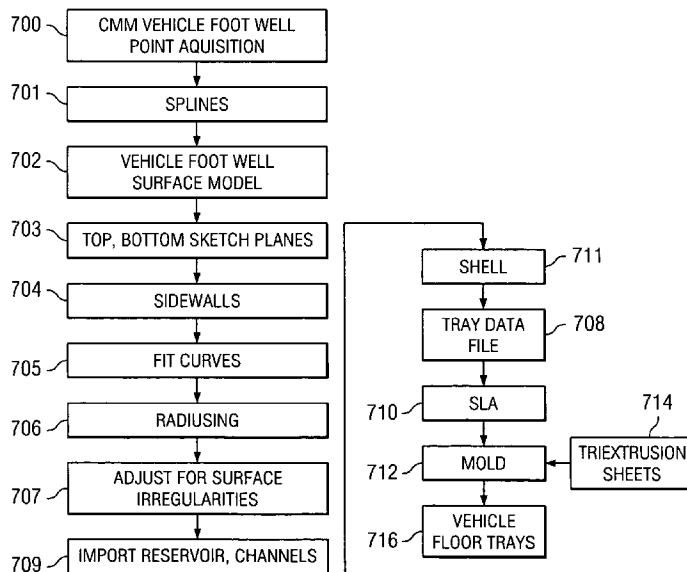
(Continued)

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(57) **ABSTRACT**

A vehicle floor tray is molded from a multiple extrusion thermoplastic polymer sheet such that it has high shear and tensile strength, an acceptable degree of stiffness and a high coefficient of friction on its upper surface. The floor tray design is digitally fitted to a foot well of a particular model of vehicle such that a lower surface of the tray is no more than one-half of an inch from a digitally acquired model of the foot well surface.

**5 Claims, 24 Drawing Sheets**



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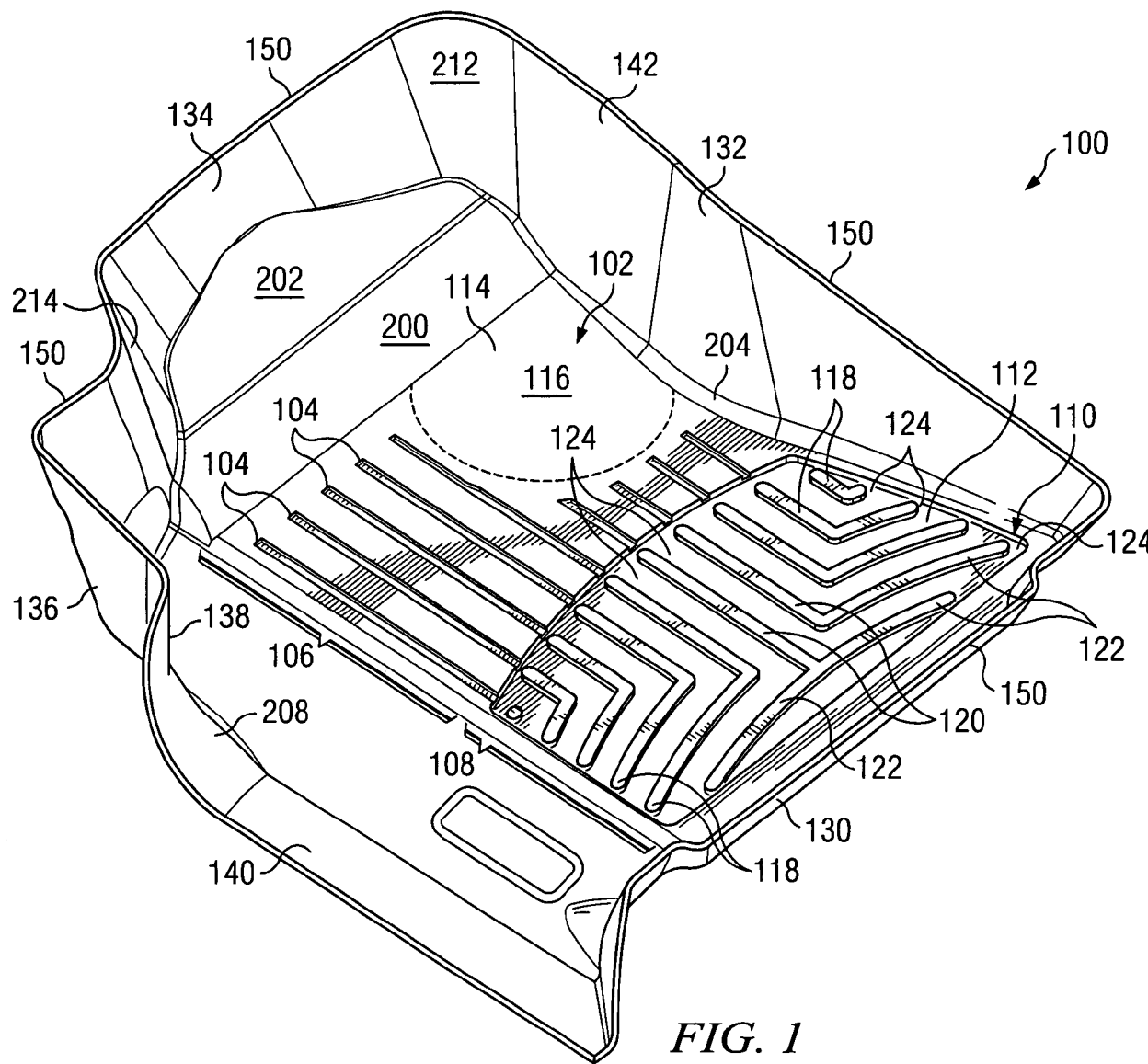
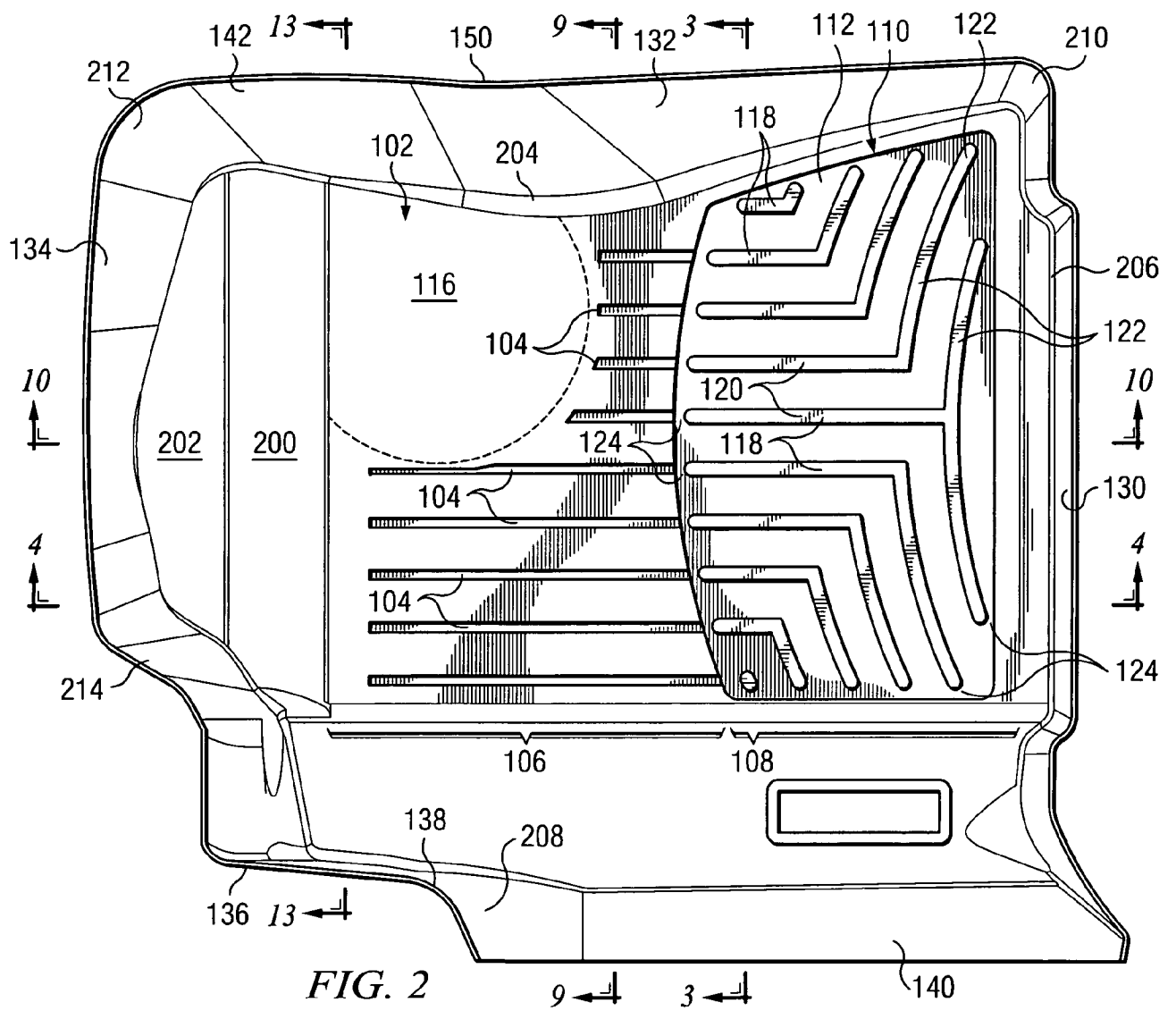


FIG. 1



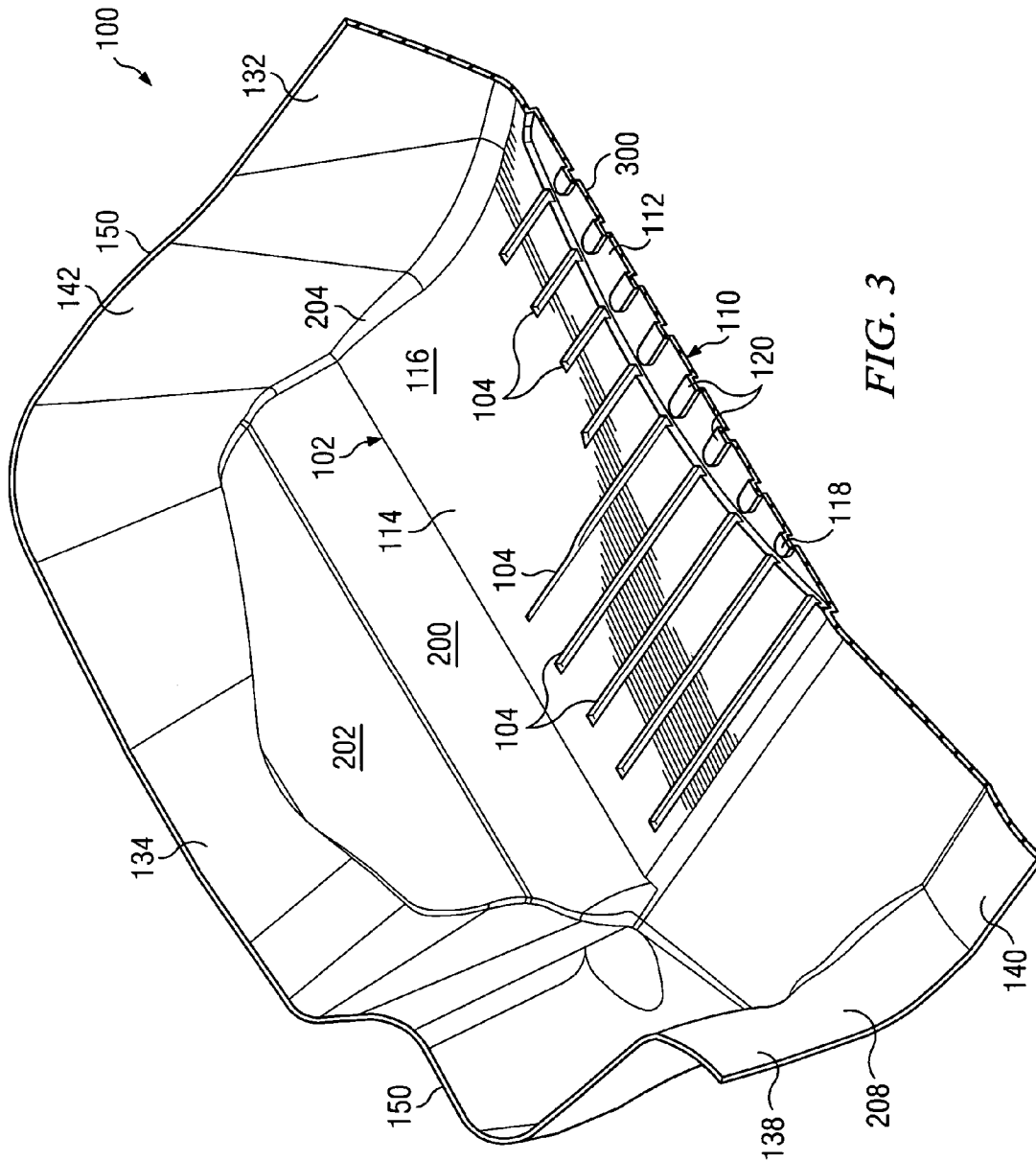


FIG. 3

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