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United States Patent [19]

Kita

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[54] **PLASTIC CASE HAVING IMPROVED
 ULTRASONIC WELDS BETWEEN HALVES
 THEREOF AND METHOD FOR
 PRODUCING SAME**

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[52] U.S. Cl. **220/359; 220/613**

[58] Field of Search **220/359, 612, 613, 691,
 220/354**

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[57] ABSTRACT

A plastic case and a method for producing a plastic case composed of two halves ultrasonically welded together without problems caused by the generation of excess material, namely, excess melted resin and resin particles, produced during the welding process. The welding is effected at abutting portions of a projection formed on one of the two case halves and a recess formed on the other. A gap is left between the end surface of the distal face of the projection and the bottom of the recess defining an internal space. At least one air hole is formed communicating with the internal space, and suction may be applied to the internal space through the air hole. Also, a dust-blocking rib may be provided on at least one of the recess and projection surrounding the abutting welding portions.

7 Claims, 7 Drawing Sheets

