

Apparatus and method of molding composite foam molding
element and composite foam molding element obtained by
the same

Abstract of the disclosure

A top side member 4 is attached to the side of one die 2 of a cavity 6 between a pair of dies 2 and 3, and a back side member 5 is attached to the side of the other die 3. A charge space is provided between these top and back side members 4 and 5. Raw material beads each made of a foam resin are supplied between the charge space, air is discharged from a plurality of work piece nozzles provided at the side of the die 3, and raw material beads are charged. At this time, air discharging is started from a work piece nozzle a41 set at the most distant position from a charger 61 for supplying raw material beads. Air is charged while the air is discharged sequentially up to the work piece nozzle a21 set at the most proximal position as the raw material beads are charged. Then, the raw material beads are heated to be foamed and fused, and the top and back side members 4 and 5 are integrated with each other via the foam member 8.

Fig. 1