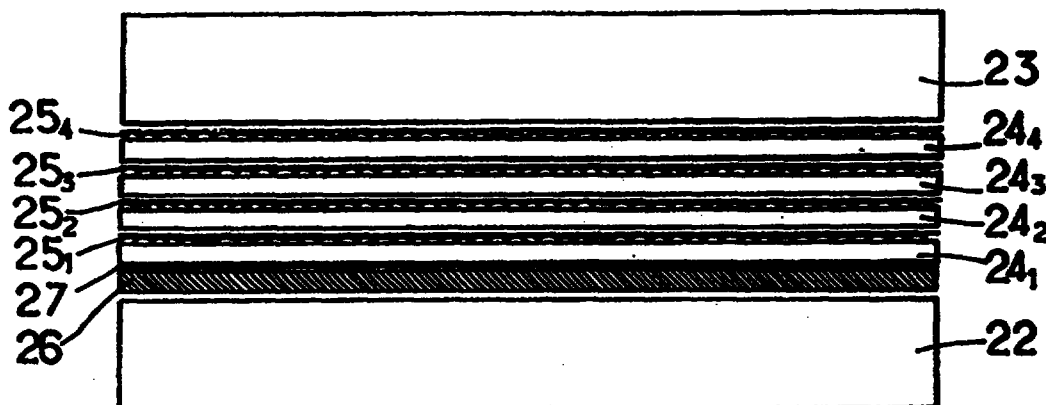




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(54) Title: PROCESS AND DEVICE FOR MANUFACTURING NETWORKS OF MICROLENSSES



(57) Abstract

The device includes a housing (1), a means for heating the housing (2), and a means (8) for supporting, in the housing, at least one group (9_i) composed of plates (24_i) of malleable material under pressure at the temperature established in the housing (1). Moreover, the group (9_i) includes generally flat molds (25_i, 25'₁, 25'₂) and each mold includes at least one non malleable pitted surface under pressure at said temperature. The molds (25_i, 25'₁, 25'₂) are inserted between the plates (24_i). Means (13, 15, 19, 20, 21) are envisaged to apply a roughly uniform pressure, oriented perpendicularly to the surface of the plates (24_i) to the entire group (9_i). This pressure is suitable for causing the production of convex surfaces of microlenses on the sides of the plates (24_i), which are opposite said pitted surfaces of the molds (25_i, 25'₁, 25'₂).