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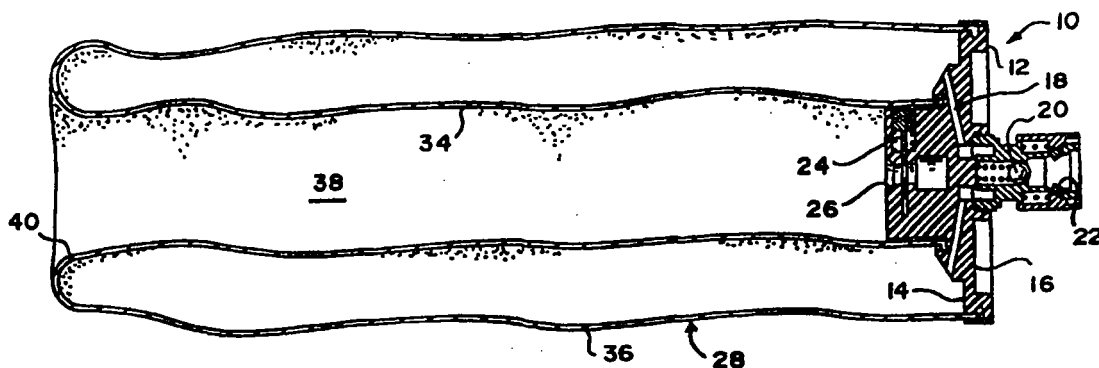
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(54) Title: APPARATUS AND PROCESS FOR FORMING PROSTHESIS SOCKET



(57) Abstract

A prosthesis socket casting device (10) includes a base member (12) on which an elongated annular molding bladder (28) is mounted, the bladder (28) peripherally enclosing a centrally located casting area (38) and extendable when inflated from the forward side (14) of the base (12). The bladder (28) is formed of a pliable, air impermeable, relatively non-stretchable sheet material enclosing, in cooperation with the base (12), an air chamber peripherally surrounding the casting area (38). The casting area (38) includes an open residual limb receiving end (40) and extends from such end (40) to the base (12), and an inflation system for the bladder (28) is provided. The casting device (10) may be used in conjunction with a prosthesis suction socket that includes a tension member at its distal end connectable to the base member (12) during a casting procedure. The bladder (28) is rollable relative to the base member (12) to provide ready access to the tension member connector carried by the base member (12).

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