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(54) Title: DEVICE WITH ROLL MECHANISM

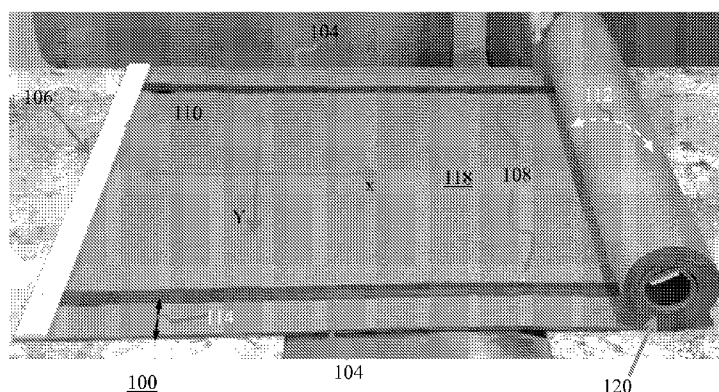


FIG. 3D

(57) **Abstract:** The present invention discloses a device that is comprised of a flexible material and a roll mechanism associated with the flexible material. A bistable resilient member maintains the flexible material flat due to a tension force within the body of the bistable resilient member in a first stable state, and maintains the flexible material to a rolled-up, bundled closed position after the tension force within the body of the bistable resilient member is fully released (the second stable state). Further, the bistable resilient member compels the flexible material to a self-roll-up motion (during a transition state) while a tension force within the body of the bistable resilient member is released.