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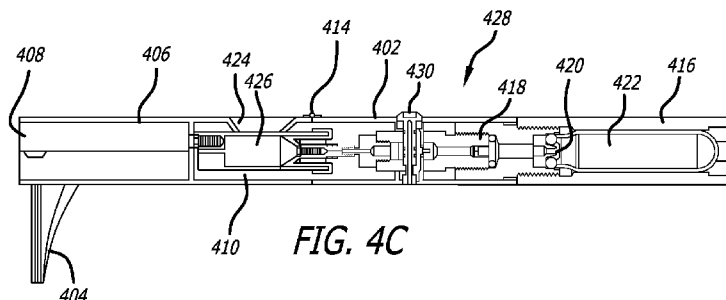
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(54) Title: METHOD OF PRODUCING SUBSTANCES WITH SUPERSATURATED GAS, TRANSDERMAL DELIVERY DEVICE THEREOF, AND USES THEREOF



(57) Abstract: The present specification disclosed a noninvasive transdermal delivery device that relates generally to a handheld mechanical apparatus for noninvasive transdermal administration of gas, small to large water-soluble (hydrophilic) pharmaceutical agents, vitamins, and other therapeutic agents. Components of such delivery devices, methods of producing a substance comprising a supersaturated amount of a dissolved gas, as well as, methods of administering a therapeutic agent using such delivery devices and methods of treating a disease or condition using such delivery devices are also disclosed.