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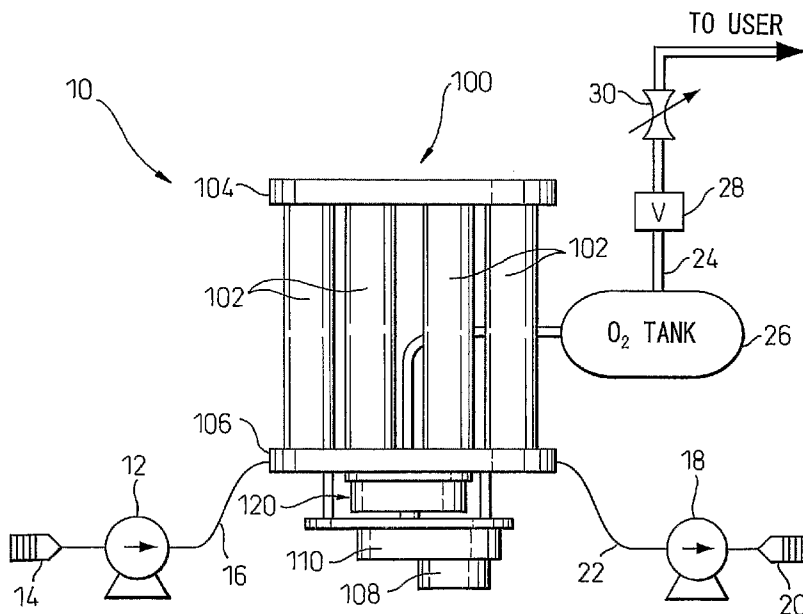
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(54) Title: OXYGEN CONCENTRATING APPARATUS AND ROTARY VALVE



(57) Abstract: According to the present invention, an oxygen enriched gas is generated by adsorbing and removing nitrogen gas from air with an oxygen concentrating apparatus which conducts the steps of (1) pressurizing one of the adsorption cylinders by directing the compressed air; (2) removing the oxygen enriched gas from said one of the adsorption cylinders to the output conduit; (3) reducing the pressure in said one of the adsorption cylinders by directing the oxygen enriched gas into one of the other adsorption cylinders to increase the pressure in the one of the other adsorption cylinders; (4) evacuating the internal gas out of said one of the adsorption cylinders; and (5) increasing the pressure in said one of the adsorption cylinders by directing the oxygen enriched gas into said one of the adsorption cylinders from one of the other adsorption cylinders in which the pressure is decreased in step (3).

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