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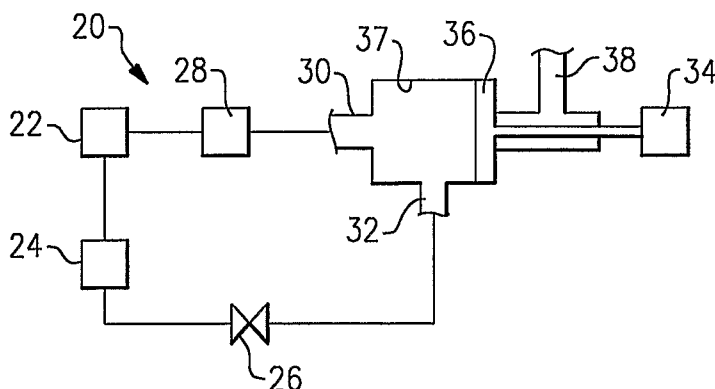
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(54) Title: REFRIGERANT CYCLE WITH THREE-WAY SERVICE VALVE FOR ENVIRONMENTALLY FRIENDLY REFRIGERANT



(57) Abstract: A refrigerant cycle is provided with a single three-way service valve that is utilized for draining and adding refrigerant. In the prior art, a second two-way valve was used in combination with the three-way valve. The present invention simply drains the refrigerant, and does not need to return the refrigerant. The present invention is particularly well suited for use with an environmentally benign refrigerant such as CO₂.