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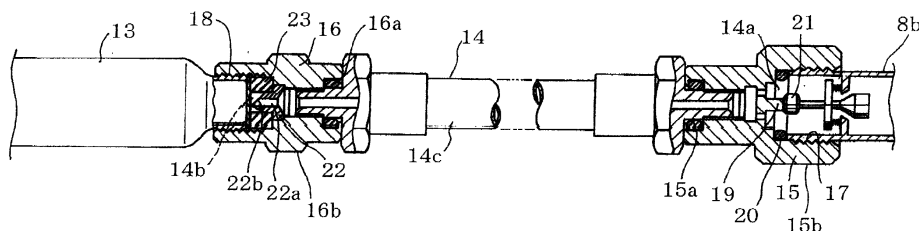
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(54) **Replacing gas collecting trap for an air conditioner**

(57) This invention relates to a replacing gas collecting trap apparatus used for installing an air conditioner, an outdoor unit includes a compressor and an outdoor unit heat exchanger and refrigerant gas is charged into both of the compressor and the outdoor unit exchanger, an indoor unit includes an indoor unit heat exchanger which is opened into atmosphere, and a connecting pipe connecting the outdoor unit and the indoor unit, that is comprised of: a trap container body; a gas trap agent charged in said trap container for absorbing and collecting a replacing gas which has replaced air in said indoor

unit heat exchanger and said connecting pipe through a connecting apparatus, wherein a volume of space inside said trap container is larger than the volume of inner space of said connecting apparatus. By this configuration, when the collecting trap apparatus is connected to the refrigeration cycle, by the volume of the space of negative pressure inside the apparatus, the air inside the connecting apparatus and the replacing gas contained in the connecting pipes are inhaled at one go to the collecting trap apparatus, then collected to the gas trap agent by physical absorption or chemical reaction.

**FIG.3**





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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>10 May 2001</b>	Examiner <b>De Graaf, J.D.</b>
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

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