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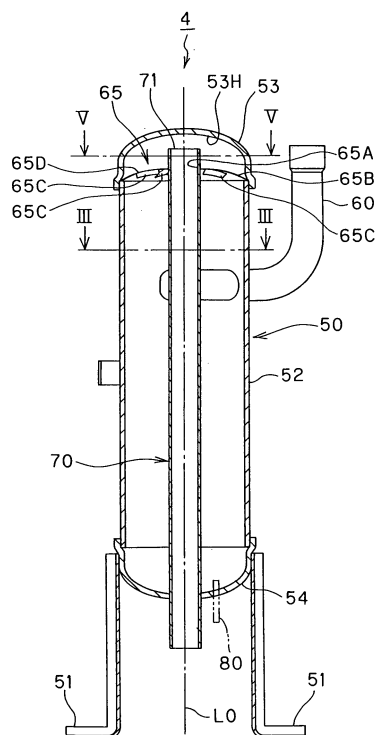
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(54) **Oil separator for separating refrigerant and oil**

(57) An oil separator (4) that separates oil contained in refrigerant discharged from a compressor (3) and has an oil separator main body (50) comprising a body portion (52) and upper and lower end plates (53, 54) secured to both the ends of the body portion (52), the oil separator main body being vertically installed in an erected state includes a refrigerant lead-in pipe (60) that is secured to the oil separator main body so as to extend along a tangential direction of the inner peripheral surface of the oil separator main body and opened at one end thereof so that the opened one end of the refrigerant lead-in pipe faces the inner peripheral surface of the oil separator main body, and a gas refrigerant lead-out pipe (70) that penetrates through the lower end plate (54) in the vertical direction of the oil separator main body and extends along an axial line of the oil separator main body while one end portion thereof is supported by the lower end plate (54), wherein a refrigerant gas lead-out opening portion (71, 72) for taking in gas refrigerant from which oil is separated in the oil separator main body is provided at at least one of a center area of the gas refrigerant lead-in pipe and the other end portion of the gas refrigerant lead-out pipe at the upper end plate (53) side.

FIG.2





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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		27 October 2014	Léandre, Arnaud
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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