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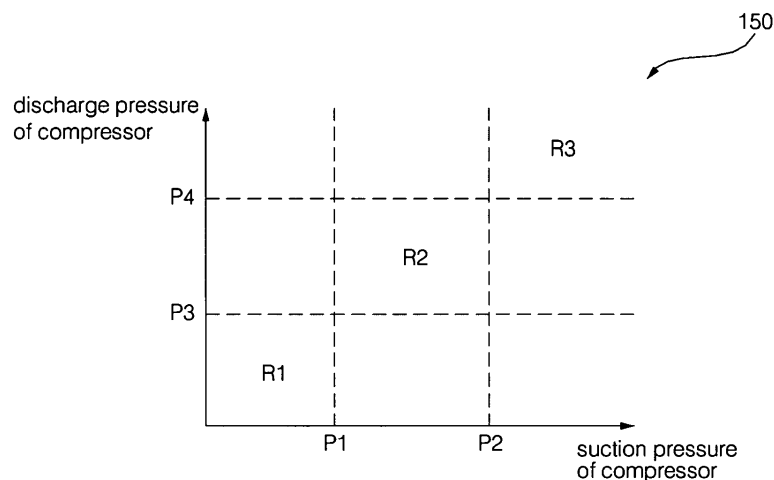
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(54) **Simultaneous cooling-heating multiple type air conditioner**

(57) A simultaneous cooling-heating multiple type air conditioner includes a plurality of cooling-heating combined-use indoor units controlled in an operation domain divided into a plurality of operation zones based on a refrigerant suction pressure and a refrigerant discharge pressure of a compressor. The operation domain includes three operation zones. In the first operation zone, a cooling-initiative simultaneous cooling and heating operation mode is switched to a heating-initiative simultaneous

cooling and heating operation mode. In the second operation zone, the cooling-initiative simultaneous cooling and heating operation mode or the heating-initiative simultaneous cooling and heating operation mode, does not switch to different modes. In the third operation zone, the heating-initiative simultaneous cooling and heating operation mode is switched to the cooling-initiative simultaneous cooling and heating operation mode.

FIG. 6





## EUROPEAN SEARCH REPORT

Application Number  
EP 07 25 2278

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|  |  |  | F25B                                    |
| The present search report has been drawn up for all claims   |  |  |   |
| Place of search<br>The Hague   |  | Date of completion of the search<br>29 April 2015  | Examiner<br>Kuljis, Bruno               |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |  | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |   |

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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