

CLAIMS

1. An indoor unit (1) for an air conditioner comprising:
 - a fan (30) blowing air toward the front direction of the indoor unit (1);
 - a heat exchanger (40) which exchanges heat between refrigerant and air blown from
 - 5 the fan (30);
 - a casing (10) which houses the fan (30) and the heat exchanger (40);
 - a partition wall (26) which is provided in a space inside of the casing (10) between a fan storage area (20) for storing the fan (30) and a heat exchanger storage area (22) for storing the heat exchanger (40);
 - 10 a pair of connection pipes (52,54) including one connection pipe in which liquid refrigerant flows and the other connection pipe in which gas refrigerant flows, each of which connects to the heat exchanger (40), extends in right and left direction of the indoor unit (1), and has connection parts (56) at both ends; and
 - a connection pipe storage member (60) which is formed by a first wall surface member
 - 15 (62) on a fan (30) side and a second wall surface member (64) on a heat exchanger (40) side, in which a connection pipe storage area (24) is formed between the fan storage area (20) and the heat exchanger storage area (22), and the pair of the connection pipes (52,54) are housed in the connection pipe storage area (24).
- 20 2. The indoor unit (1) for the air conditioner of claim 1, wherein two connection pipes (52,54) on one side of the indoor unit (1) extends through one connection pipe opening (14) to the outside of the casing (10), wherein a pair of connection parts (56) are provided on both sides of the connection pipes (52,54), and wherein seals (70a,70b) are attached around the connection pipes (52,54) so as to hermetically close the connection pipe opening (14).
- 25 3. The indoor unit (1) for the air conditioner of claim 1 or claim 2, wherein an outer periphery of a cross section of the connection pipe storage member (60) in front and rear direction of the indoor unit (1) includes the first wall surface member (62) which is formed along the outer shape of the fan (30) and the second wall surface member (64) which is formed along
- 30 the outer shape of the heat exchanger (40).

4. The indoor unit (1) for the air conditioner of claim 3, wherein the partition wall (26) is positioned above the connection pipe storage member (60), a fan discharge port (36) of the fan (30) is provided so as to penetrate the partition wall (26).