

Title (en)
Air-conditioning apparatus

Title (de)
Klimaanlage

Title (fr)
Appareil de climatisation d'air

Publication
EP 1914493 A2 20080423 (EN)

Application
EP 07118087 A 20071009

Priority
JP 2006277481 A 20061011

Abstract (en)
An air-conditioning apparatus (1) capable of reliably recovering lubricant accumulated in indoor units (3A,3B,3C) and their refrigerant circuit, regardless of the refrigerant-pipe length differences of the indoor units connected to each other, has been desired, and includes an operating unit (22) configured to carry out liquid return at each indoor unit, to carry out an oil-recovery operation for recovering lubricant accumulated in the refrigerant circuit, and to complete the oil-recovery operation when liquid return is detected at the outdoor unit (2). The operating unit includes a detecting unit configured to detect the refrigerant pipe length of each of the indoor units, a storing unit configured to store the refrigerant pipe lengths detected by the detecting unit, and a control unit configured to change the operation time during the oil-recovery operation on the basis of the refrigerant pipe length of each of the indoor units stored in the storing unit.

IPC 8 full level
F25B 31/00 (2006.01); **F25B 49/02** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP)
F25B 31/004 (2013.01); **F25B 49/02** (2013.01); **F25B 13/00** (2013.01); **F25B 2313/023** (2013.01); **F25B 2500/01** (2013.01); **F25B 2500/16** (2013.01); **F25B 2600/2513** (2013.01)

Cited by
EP3643979A4; EP3546851A4; CN111102772A; JP2015094561A; EP3333508A4; US11333381B2; US11609011B2

Designated contracting state (EPC)
ES GB IT

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1914493 A2 20080423; **EP 1914493 A3 20110608**; **EP 1914493 B1 20120711**; **EP 1914493 B8 20120926**; CN 101162104 A 20080416; CN 101162104 B 20100825; ES 2390485 T3 20121113; JP 2008096019 A 20080424; JP 5259944 B2 20130807

DOCDB simple family (application)
EP 07118087 A 20071009; CN 200710007708 A 20070129; ES 07118087 T 20071009; JP 2006277481 A 20061011