

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2538155 A1 20121226 (EN)

Application
EP 11742367 A 20110215

Priority
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• JP 2011053165 W 20110215

Abstract (en)
An air conditioner includes oil balancing pipes (30a to 30c) that extract lubricating oil stored in an oil separator (7) and each of compressors (3a to 3c) in which a specified amount of the lubricating oil or more is stored, a distributor (43) that distributes the lubricating oil led from the oil separator (7) and the compressors (3a to 3c) to a plurality of channels, and oil return pipes (55-57) that communicatively connect the distribution channels of the distributor (43) and a refrigerant inlet pipe of each of the compressors (3a to 3c) to return the lubricating oil to each of the compressors (3a to 3c), wherein the distributor (43) can be fixed easily and reliably by mounting and fixing the distributor (43) to a refrigerant inlet pipe (16) in a horizontal attitude along a horizontal portion of the refrigerant inlet pipe (16) to reduce production variation and also to prevent a pipe fatigue fracture by avoiding pipe stress concentration accompanying the compressors (3a to 3c) being driven.

IPC 8 full level
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CPC (source: EP US)
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