

Title (en)
Liquid chiller for air conditioning systems

Title (de)
Flüssigkeitskühler für Klimaanlage

Title (fr)
Refroidisseur de liquide pour système de climatisation

Publication
EP 1612491 A2 20060104 (EN)

Application
EP 05013908 A 20050628

Priority
IT MI20040317 U 20040630

Abstract (en)
This invention relates to a liquid chiller, particularly but without limitation a water chiller, for air conditioning in domestic, industrial and commercial environments, such as workshops, stores and offices, of the type in which a compressor (9) compresses a gas which, by evaporating in a suitable heat exchanger (10), cools the liquid to be pumped, circulated and delivered to the cooling equipment, wherefrom it comes at a higher temperature, after having extracted heat from the environments. The liquid chiller is characterized in that it comprises units (9, 10) that are grouped and assembled together on a single support frame (i), whose transverse dimension T is not larger than that of a doorway to a machine room, the compressor (9) is of the centrifugal type and the heat exchanger (10) acting as an evaporator is a plate-type exchanger.

IPC 8 full level
F24F 1/02 (2011.01); **F24F 13/20** (2006.01)

CPC (source: EP)
F24F 1/022 (2013.01); **F24F 13/20** (2013.01); **F25D 23/003** (2013.01); **F24F 2221/12** (2013.01); **F25B 1/053** (2013.01); **F25B 2500/01** (2013.01)

Cited by
CN103900168A; CN103900169A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1612491 A2 20060104; **EP 1612491 A3 20070103**; IT MI20040317 U1 20040930

DOCDB simple family (application)
EP 05013908 A 20050628; IT MI20040317 U 20040630