

Title (en)
Improvements in or relating to pumps

Title (de)
Verbesserungen an oder bei Pumpen

Title (fr)
Améliorations relatives aux pompes

Publication
EP 1510765 A2 20050302 (EN)

Application
EP 04106143 A 20021204

Priority
• EP 02258380 A 20021204
• GB 0129096 A 20011204
• GB 0217378 A 20020726

Abstract (en)
The present invention relates to improvements in or relating to pumps, in particular to pumps in air conditioning installations. There is described a pump assembly (20) for use in an air conditioning system, the pump assembly (20) comprising a pump having a pump inlet (52) and a pump outlet (53), and wherein the pump inlet is in fluid communication with a reservoir (54), said reservoir having a reservoir inlet in fluid communication with a first fluid-carrying pipe of an air-conditioning installation; wherein the pump outlet is in fluid communication with a second fluid-carrying pipe of an air-conditioning installation. In a second aspect of the invention, there is described a conduit elbow (10) having a first opening (12) and a second opening (13) and integrally housing a pump assembly as defined above. <IMAGE>

IPC 1-7
F24F 13/22; F16L 57/00; F24F 13/20

IPC 8 full level
F24F 13/20 (2006.01); **F24F 13/22** (2006.01)

CPC (source: EP)
F24F 13/20 (2013.01); **F24F 13/22** (2013.01); **F24F 13/222** (2013.01)

Cited by
KR102046066B1; US8683821B2; WO2020138706A1; US11674715B2

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

DOCDB simple family (publication)
EP 1318361 A1 20030611; **EP 1318361 B1 20051102**; AT E308725 T1 20051115; AT E386911 T1 20080315; CY 1105323 T1 20100303; DE 60207033 D1 20051208; DE 60207033 T2 20060803; DK 1318361 T3 20060320; DK 1510765 T3 20080602; EP 1510765 A2 20050302; EP 1510765 A3 20050831; EP 1510765 B1 20080220; ES 2252399 T3 20060516; ES 2299799 T3 20080601; SI 1318361 T1 20060630

DOCDB simple family (application)
EP 02258380 A 20021204; AT 02258380 T 20021204; AT 04106143 T 20021204; CY 061100131 T 20060201; DE 60207033 T 20021204; DK 02258380 T 20021204; DK 04106143 T 20021204; EP 04106143 A 20021204; ES 02258380 T 20021204; ES 04106143 T 20021204; SI 200230257 T 20021204