

Title (en)
Y-SHAPED MANIFOLD AND AIR CONDITIONER USING SAME

Title (de)
Y-FÖRMIGES SAMMELROHR UND KLIMAAANLAGE DAMIT

Title (fr)
COLLECTEUR EN FORME DE Y ET CLIMATISEUR L'UTILISANT

Publication
EP 2557378 A4 20130918 (EN)

Application
EP 11765832 A 20110401

Priority
• JP 2010089094 A 20100408
• JP 2011058413 W 20110401

Abstract (en)
[origin: EP2557378A1] A Y-shaped branch pipe (7) includes a pinch (18) formed by pinching middle portions at an end of a cylindrical pipe (15) to bring the portions into close contact with each other and a glasses-shaped bifurcated portion (17), formed on both sides of the pinch (18), that splits a refrigerant flow into two channels (19A, 19B), and L/D is 0.3 to 0.5, wherein L is the distance between a pinch base (20) at which the portions are brought into close contact with each other by pinching and a cylindrical portion of the cylindrical pipe (15), and D is the outer diameter of the cylindrical pipe (15).

IPC 8 full level
F25B 41/00 (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP US)
F25B 41/42 (2021.01 - EP US); **F25B 2313/0233** (2013.01 - EP); **F25B 2500/01** (2013.01 - EP)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2011125932A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2557378 A1 20130213; **EP 2557378 A4 20130918**; CN 102667371 A 20120912; CN 102667371 B 20170510; JP 2011220592 A 20111104; JP 5619464 B2 20141105; WO 2011125932 A1 20111013

DOCDB simple family (application)
EP 11765832 A 20110401; CN 201180005103 A 20110401; JP 2010089094 A 20100408; JP 2011058413 W 20110401