

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)  
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