

Title (en)  
Distributor for tubular heat exchanger of two-phase refrigerant cooling apparatus

Title (de)  
Verteiler für Röhrenwärmetauscher einer Zweiphasenkältemittel-Kühlanlage

Title (fr)  
Distributeur destiné à équiper les échangeurs thermiques intratubulaires des installations de refroidissement à fluide frigorigène de type diphasique

Publication  
**EP 0895051 B1 20021127 (FR)**

Application  
**EP 98420128 A 19980721**

Priority  
FR 9709920 A 19970729

Abstract (en)  
[origin: EP0895051A1] Tubular type thermal exchangers forming part of cooling installations using two-phase refrigeration fluid need an efficient distributor which is able to ensure the homogeneity of the refrigerating fluid entering the exchanger. An efficient distributor may be constructed using a sheet of metal (17) which is perforated (17b) over all its area and shaped into a spherical cap. The central part of the cap is obscured by a cone (17a). This cone is located with its base on the central zone of the cap and its apex directed to the incoming liquid.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP US)  
**F25B 39/028** (2013.01 - EP US); **F28F 9/0265** (2013.01 - EP US); **F28F 9/028** (2013.01 - EP US)

Cited by  
CN115371482A; CN103090601A; CN102235836A; EP2264384A1; EP2386050A4; CN109539826A; CN111412764A; EP1079194A3; CN103946650A; US8943854B2; WO2013052841A1; US6848501B2; US8931509B2

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