

Title (en)  
PLANT FOR PROCESSING COLD WATER AND BRINE

Publication  
**EP 0451325 A3 19920513 (DE)**

Application  
**EP 90118302 A 19900924**

Priority  
DE 4011930 A 19900412

Abstract (en)  
[origin: EP0451325A2] A plant for processing cold water and brine contains, in a gastight housing (12), at least one coolant circuit (38) which is in heat-exchange contact with a cold water/brine circuit (58, 60) or a cooling water/brine circuit (62, 64), which consists of an evaporator (40), a compressor (46) and a liquefier (42) and which contains NH<sub>3</sub>, and a cooler (80) which is connected to the cooling water or brine circuit (64) in the housing (12) to remove the heat loss occurring in the housing (12). Situated near the upper boundary (82) of the housing (12) is a spraying device (84) and in the region of the lower boundary (24) of the housing (12) a collection zone (26). The housing (12) is provided with gastight connections (58, 60, 62, 64, 86, 30) taken to the outside for the cold water or brine circuit, the cooling water supply of the liquefier, the water supply of the spraying device and the liquid drain from the collection zone (26), and with gastight connections for the electrical energy supply or for transmitting the signals from the control, regulation and monitoring devices (134, 136, 138) required. <IMAGE>

IPC 1-7  
**F25B 49/00**; **F25D 17/02**

IPC 8 full level  
**B01D 53/58** (2006.01); **B01D 53/14** (2006.01); **F25B 1/00** (2006.01); **F25B 29/00** (2006.01); **F25B 49/00** (2006.01); **F25D 17/02** (2006.01)

CPC (source: EP)  
**F25B 49/005** (2013.01); **F25D 17/02** (2013.01); **F25B 2400/075** (2013.01)

Citation (search report)  
• [A] DE 2431308 A1 19750306 - CLUETT PEABODY & CO INC  
• [A] US 4153435 A 19790508 - FISCHER WILLIAM A  
• [A] EP 0300866 A1 19890125 - UNITE HERMETIQUE [FR]

Cited by  
EP0892231A3; EP0496228A1; EP0832405A4; EP0832404A4; EP3943858A1; FR3112845A1; EP3943855A1; EP3943856A1; FR3112846A1

Designated contracting state (EPC)  
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**EP 0451325 A2 19911016**; **EP 0451325 A3 19920513**; CA 2040323 A1 19911013; DE 4011930 A1 19911031; DK 64791 A 19911013; DK 64791 D0 19910411; FI 911736 A0 19910411; FI 911736 A 19911013; IE 911207 A1 19911023; JP H06201202 A 19940719; NO 911423 D0 19910411

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**EP 90118302 A 19900924**; CA 2040323 A 19910412; DE 4011930 A 19900412; DK 64791 A 19910411; FI 911736 A 19910411; IE 120791 A 19910410; JP 7882091 A 19910411; NO 911423 A 19910411