

Title (en)
System for cooling liquids

Title (de)
Flüssigkeitskühlersystem

Title (fr)
Système de refroidissement de liquide

Publication
EP 1124105 B1 20040407 (DE)

Application
EP 01102782 A 20010208

Priority
DE 10005889 A 20000210

Abstract (en)
[origin: US6422305B2] A liquid cooling system 10 for cooling liquids including a housing 11, a housing cover 12, and a liquid cooler 13. The housing 11 is sealingly fastened to the housing cover 12. The liquid cooler 13 is composed of cooling plates 19 stacked one on another. The cooling plates 19 sealingly separate a liquid space 20 from a coolant space 21. The coolant spaces 21 are connected by openings 26 which are disposed on projections 27 on the plates 19. In the housing 11 there is a liquid inlet 15, a liquid outlet 16, a coolant inlet 17 and a coolant outlet 18. The liquid inlet 15 leads into a housing volume 14 on an uncooled side 31 which is formed by the housing 11 and the liquid cooler 13. The uncooled side 31 lies opposite a cooled side 32 which communicates with a return passage 22 extending through the liquid cooler 13. The liquid inlet 15 is sealingly separated by a seal arrangement 25 from the coolant inlet 17 and coolant outlet 18.

IPC 1-7
F28D 9/00; **F01M 5/00**

IPC 8 full level
F01M 5/00 (2006.01); **F01M 11/03** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP US)
F01M 11/03 (2013.01 - EP US); **F28D 9/0012** (2013.01 - EP US); **F01M 2011/033** (2013.01 - EP US); **Y10S 165/916** (2013.01 - EP US)

Cited by
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