

Title (en)

Water-cooling oil cooler.

Title (de)

Wassergekühlter Ölkühler.

Title (fr)

Dispositif de refroidissement d'huile, refroidi par de l'eau.

Publication

EP 0032224 A1 19810722 (EN)

Application

EP 80108005 A 19801218

Priority

JP 17255079 A 19791227

Abstract (en)

A number of fin plates (26) were mounted on at least one cooling tube (25) through which water flows and which is provided within a sealed shell filled with oil to be cooled. Each of the fin plates have a plurality of oil flow holes (28) and a plurality of oil flow retarding members (29). These holes and members are made by pressing the fin plate. The fin plate and each oil flow retarding member define at least one opening (30) between them. The oil flows through each oil flow holes in the direction perpendicular to the fin plate, then hits against each oil flow retarding member and finally flows through said opening along the fin plate.

IPC 1-7

F28F 1/32

IPC 8 full level

F28D 7/16 (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP)

F28F 1/325 (2013.01)

Citation (search report)

US 3397741 A 19680820 - GUNTER ADDISON Y

Cited by

US5048596A; DE102007036308A1; US6102104A; CN112857127A; FR2532409A1; EP0410247A3; US5238057A

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