

Title (en)  
DEVICE FOR COOLING IN A TWO PHASE MODE FOR AN INTERNAL COMBUSTION ENGINE

Publication  
**EP 0505241 A3 19921125 (FR)**

Application  
**EP 92400664 A 19920313**

Priority  
FR 9103410 A 19910320

Abstract (en)  
[origin: EP0505241A2] The invention relates to a device for cooling an internal combustion engine operating in a two-phase mode. This device comprises a condenser (80) interposed between an inlet (90) for a cooling fluid in the vapour phase and in the liquid phase and an outlet (118) for the same cooling fluid in the liquid phase. The condenser (80) comprises a bundle (82), mounted between two fluid boxes (84 and 86) at least one of which (84) carries a phase separator (92, 94) interposed between the inlet (90) and the condenser (80) and further carries a liquid tank (112) interposed between the condenser (80) and the outlet (118). Thus a device of compact structure is obtained which may also include a pump (114) for circulating the cooling fluid in the liquid phase. <IMAGE>

IPC 1-7  
**F01P 3/22**

IPC 8 full level  
**F01P 3/22** (2006.01)

CPC (source: EP US)  
**F01P 3/2271** (2013.01 - EP US); **F01P 2003/2221** (2013.01 - EP US)

Citation (search report)  
• US 2614816 A 19521021 - HULL ROBERT R  
• US 3096818 A 19630709 - EVANS HARRY W, et al  
• US 3223075 A 19651214 - BARLOW LESTER P  
• US 1677981 A 19280724 - MUIR WELLINGTON W

Cited by  
DE4341927A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0505241 A2 19920923; EP 0505241 A3 19921125**; FR 2674289 A1 19920925; FR 2674289 B1 19950217; US 5199387 A 19930406

DOCDB simple family (application)  
**EP 92400664 A 19920313**; FR 9103410 A 19910320; US 85264392 A 19920317