

Title (en)  
DEVICE FOR THE TEMPORARY OVERCOOLING OF A COOLED DETECTOR

Publication  
**EP 0322028 B1 19920325 (FR)**

Application  
**EP 88202855 A 19881213**

Priority  
FR 8717713 A 19871218

Abstract (en)  
[origin: EP0322028A1] Device for the temporary overcooling of a cooled detector (1) in permanent operation in an enclosed space by means of a first cooler (5). <??>According to the invention, a second cooler (6) is set in operation temporarily in order to produce the required overcooling without involving heat exchange with the outside. To this end, the heat energy dissipated by the cooler (6) is absorbed by the solid -> liquid passage of a phase change material (7) (water or tetradecane) arranged between said first and second coolers. <??>Application in observing stars.  
<IMAGE>

IPC 1-7  
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IPC 8 full level  
**G12B 15/06** (2006.01); **F25B 21/02** (2006.01)

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**EP 0322028 A1 19890628; EP 0322028 B1 19920325**; DE 3869581 D1 19920430; FR 2624956 A1 19890623; FR 2624956 B1 19900622; JP H01202688 A 19890815; US 4991399 A 19910212

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