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(72) Inventor: **Simi, Vito**  
**70125 Bari (IT)**

(74) Representative: **Jorio, Paolo et al**  
**STUDIO TORTA S.r.l.,**  
**Via Viotti, 9**  
**10121 Torino (IT)**

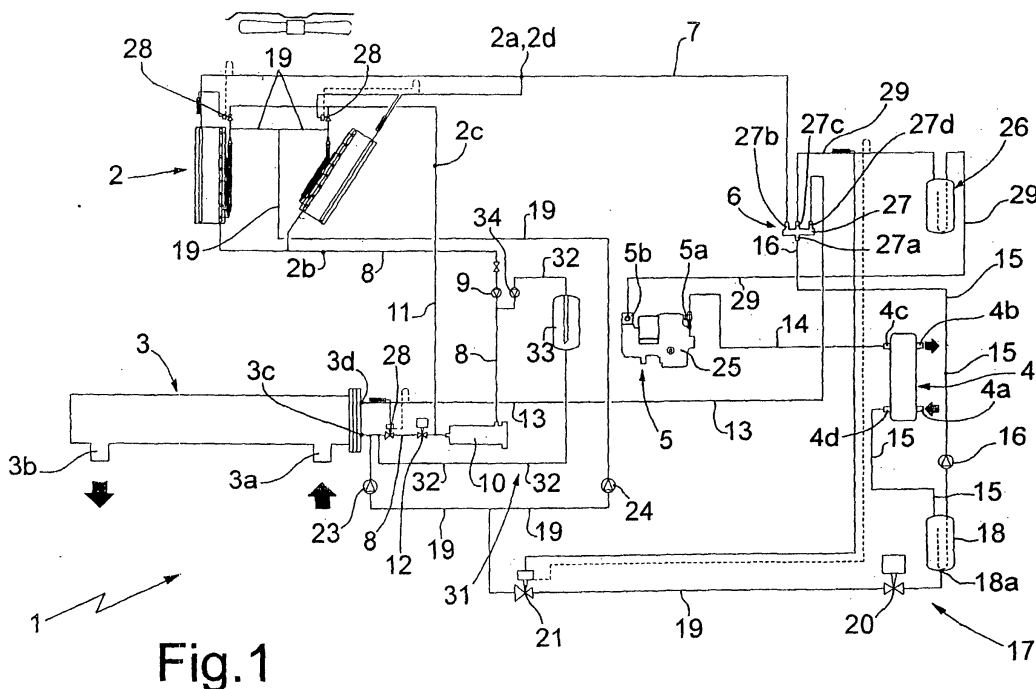
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(71) Applicant: **RHOSS S.p.A.**  
**33170 Pordenone (IT)**

(54) **Heat-save cooler**

(57) A single- or reversible-cycle heat-save cooler (1) having a first heat exchanger (2) where a cooling fluid exchanges heat with the outside environment; a second heat exchanger (3) where the cooling fluid exchanges heat with a first liquid; a cooling fluid compressor unit (5) where the cooling fluid is compressed to increase its pressure; and a third heat exchanger (4) where the cool-

ing fluid exchanges heat with a second liquid; the third heat exchanger (4) being located immediately downstream from the compressor unit (5); and the cooler (1) also having a liquid-gas separating unit (17) located immediately downstream from the third heat exchanger (4) to retain all or part of the liquid cooling fluid issuing from the third heat exchanger (4).



**Fig.1**



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A	* column 4, line 63 - column 6, line 51; figures 1,2 *	1	
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		2 November 2004	Boets, A
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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