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(72) Inventor: **Lee, Hyung-Keun**  
**Gwangwha-gun, Incheon 417-863 (KR)**

(74) Representative: **Grünecker, Kinkeldey,  
Stockmair & Schwanhäusser  
Anwaltssozietät  
Leopoldstrasse 4  
80802 München (DE)**

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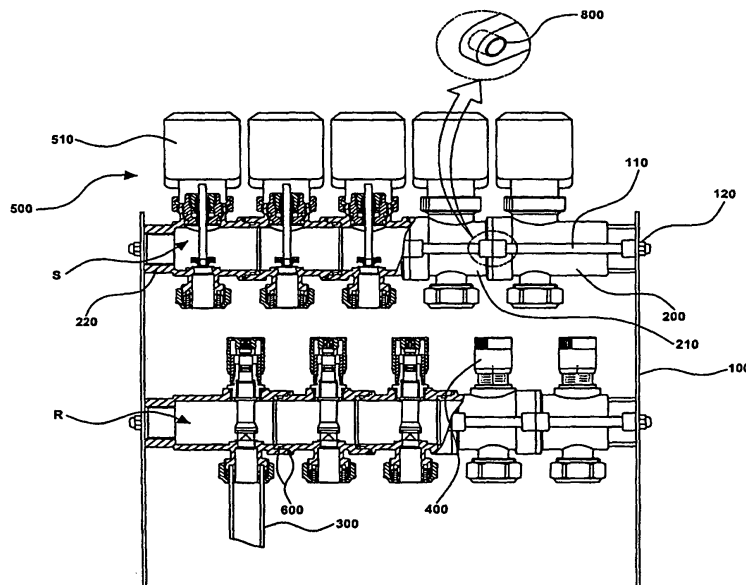
(71) Applicant: **Sang Shin Co., Ltd.**  
**Wonmi-gu,  
Bucheon-si, Gyeonggi-do  
420-806 (KR)**

(54) **Hot water distributor assembled as unit and dividable into zones**

(57) A hot water distributor is assembled as a unit and is dividable into zones. The length of a hot water distributor body can be freely varied according to changes in the size of areas to be warmed, valves and connectors are integrally provided to the body so that the number of zones can be freely and easily adjusted, the hot water

distributor can be simply assembled, and a secure sealing function can be ensured. Since the hot water distributor body can be fixedly assembled without being attached to support brackets, it is easy to carry the hot water distributor body for testing, and the convenience of construction and repairing operations is improved.

FIG. 2



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EUROPEAN SEARCH REPORT

Application Number  
EP 07 01 7510

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	KR 100 727 019 B1 (SANG SHIN CO LTD [KR]) 4 June 2007 (2007-06-04) * the whole document * -----	1-6	INV. F24D3/10
			TECHNICAL FIELDS SEARCHED (IPC)
			F24D F24H
The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>31 March 2009</b>	Examiner <b>Hoffmann, Stéphanie</b>
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  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 100727019	B1	NONE	
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