

AUSTRALIAN PATENT OFFICE
SEARCH REPORT

Application No. TH 0000001234

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A heat exchanger module, such as a solar collector module, comprising a tube sheet connected to a header. The tube sheet passes through an opening in the header so that the end of the sheet protrudes a distance into the header, the header opening being united to the surface of the tube sheet so that the tendency of the tube sheet to burst or split open in the region of the junction of the tube sheet and header is minimised when the module is under fluid pressure

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A. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC)

Int. Cl. **G01F 11/04** (2006.01) **G01F 15/14** (2006.01) **G05D 9/00** (2006.01)**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the search (name of data base and, where practicable, search terms used)

WPI, EPODOC: IPC G01F 11/-, 15/-, G05D 9/00 & Keywords (float, resist, sensor) and like terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3207388 A (WADDINGTON) 25 July 1965 column 2 lines 30-49	1-6
X	DE 2947734 A (CIBA-GEIGY AG) 12 June 1980 Figs. 5,6	1-5, 9, 10
X	JP 05-100000 A (NIPPON STEEL CORP) 23 April 1993 Figures 1-3 and translation from http://www.ipdl.inpit.go.jp/homepg_e.ipdl	1-11

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of submission of the request to the Australian Patent Office

24 July 2008

Date of completion of the search report

30 July 2008

Date of mailing of the search report

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EXTRA SHEET

Application No.

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**SUPPLEMENTAL BOX
CONTINUATION OF BOX II:**

PCT Rule 13.2, first sentence, states that unity of invention is only fulfilled when there is a technical relationship among the claimed inventions involving one or more of the same or corresponding special technical features. PCT Rule 13.2, second sentence, defines a special technical feature as a feature which makes a contribution over the prior art.

Each of the abovementioned groups of claims has a different distinguishing feature and they do not share any feature which could satisfy the requirement for being a special technical feature. Because there is no common special technical feature it follows that there is no technical relationship between the identified inventions. Therefore the claims do not satisfy the requirement of unity of invention *a priori*.

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PATENT FAMILY MEMBERS

Application No.

TH 000001234

Patent Document Cited in Search Report		Patent Family Member			
US	3207388	CH	440006	GB	1044517
DE	2947734	CA	1149815	FR	2442840
		JP	55085576	US	4282353
JP	05-100000	NONE			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					