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WD7 8AH (GB). **MORRIS, David** [GB/GB]; Oak View,
1 Eversly Close, Appleton, Warrington, Cheshire WA4
5NW (GB).

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(74) Agent: **BAWDEN, Peter, Charles**; Bawden & Associates,
4 The Gatehouse, 2 High Street, Harpenden, Herts AL5
2TH (GB).

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(71) Applicant (*for all designated States except US*): **ASHE
MORRIS LIMITED** [GB/GB]; 6 Christchurch Crescent,
Radlett, Hertfordshire, WD7 8AH (GB).

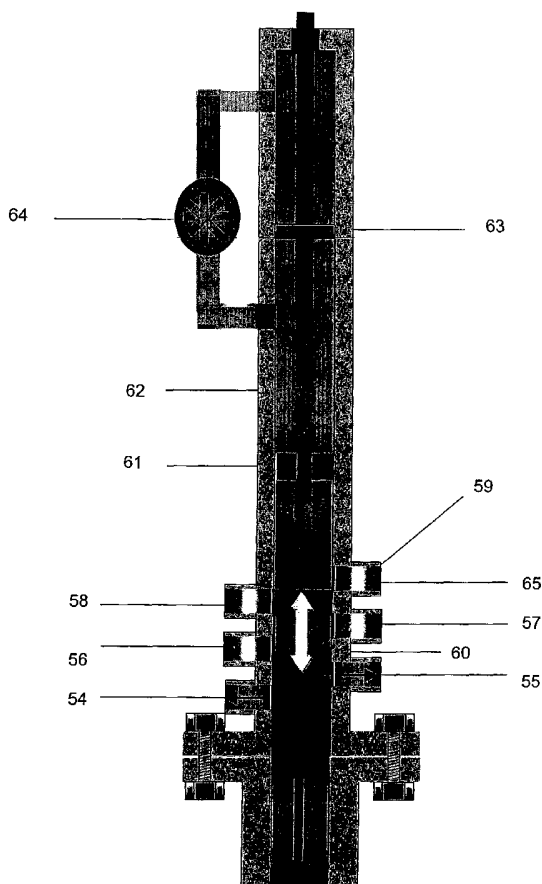
(72) Inventors; and

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(75) Inventors/Applicants (*for US only*): **ASHE, Robert**
[GB/GB]; 6 Christchurch Crescent, Radlett, Hertfordshire

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(54) Title: MULTI-PORT FLOW CONTROL VALVES



(57) Abstract: Multi-port flow control valves are provided wherein the outlet ports (54-59) may be opened in cascade fashion to allow fluid to flow through the outlet ports into at least two conduits in which the opening of the outlet ports is controlled by a signal indicating the need for fluid in the conduits. The valves are particularly useful for controlling the supply of heating/cooling fluid to multiple heating/cooling coils employed to control reactions. In a preferred embodiment the opening of the ports is controlled according to the heat measured in the reaction.



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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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

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

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 42 02 959 C (BÖSL MEDIZINTECHNIK GMBH) 9 June 1993 (1993-06-09) column 4, line 62 -column 5, line 39; figure 1 ---	1,2
A	US 2 840 109 A (WADLEIGH ELBERT R) 24 June 1958 (1958-06-24) figures 1,2 ---	1
A	EP 0 737 511 A (TODOROKI SANGYO KABUSHIKI KAIS) 16 October 1996 (1996-10-16) abstract ---	1-6
A	DE 199 31 063 A (MANNESMANN AG) 11 January 2001 (2001-01-11) abstract -----	1-6



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Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Christensen, J

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Information on patent family members

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