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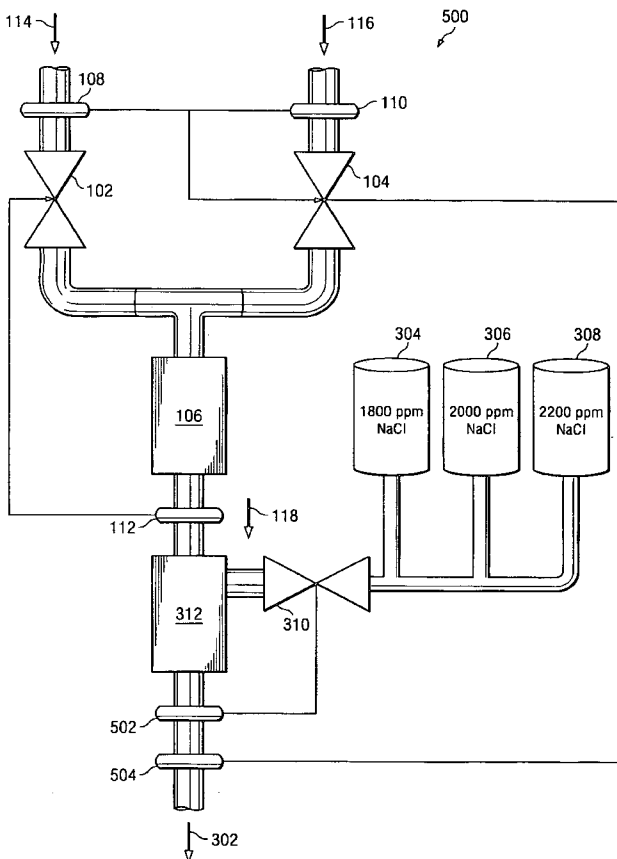
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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR CONTROLLED MIXING OF FLUIDS AND MULTIPLEXING SETPOINTS



(57) Abstract: Embodiments of the present invention provide a system (100, 300, 500) and method for continuous flow production of mixed fluids. The mixed fluids can comprise a mixture of different fluids or a mixture of the same fluid having different input properties such as temperature. Additionally, embodiments of the present invention provide a system (900, 1100) and method for multiplexing analog setpoints.

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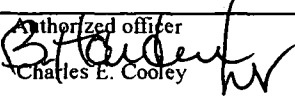
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A. CLASSIFICATION OF SUBJECT MATTER IPC: B01F 15/04(2006.01);H04B 7/212(2006.01);G05B 11/01(2006.01) USPC: 366/152.4,160.1;370/442;700/19 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 366/132, 134, 136, 137, 150.1-153.1, 160.1-162.1; 137/88-93, 896-898; 700/19, 265, 266, 285; 370/442; B01F 15/04 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched None Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X X X A	US 4,614,438 A (KOBAYASHI) 30 September 1986 (30.09.1986), see col. 3, line 45 - col. 8, line 40. US 5,599,100 A (JACKSON et al.) 04 February 1997 (04.02.1997), see col. 7, line 60 - col. 8, line 48 and col. 9, line 66 - col. 11, line 27. US 4,452,265 A (LONNEBRING) 05 June 1984 (05.06.1984), see col. 1, line 66 - col. 2, line 51. US 6,952,618 B2 (DAVLIN et al.) 04 October 2005 (04.10.2005), see entire document.	1-6, 18-21 1-5, 18-21 1, 6, 18-21 34-53		
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "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) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; border: none;"> "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 "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 "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 "&" document member of the same patent family </td> </tr> </table>			* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "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) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"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 "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 "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 "&" document member of the same patent family
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Date of the actual completion of the international search 26 May 2008 (26.05.2008)		Date of mailing of the international search report <div style="text-align: center; font-size: 1.2em; font-weight: bold;">04 JUN 2008</div>		
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search terms: temperature, sensor, setpoint, concentration
PLUS Search