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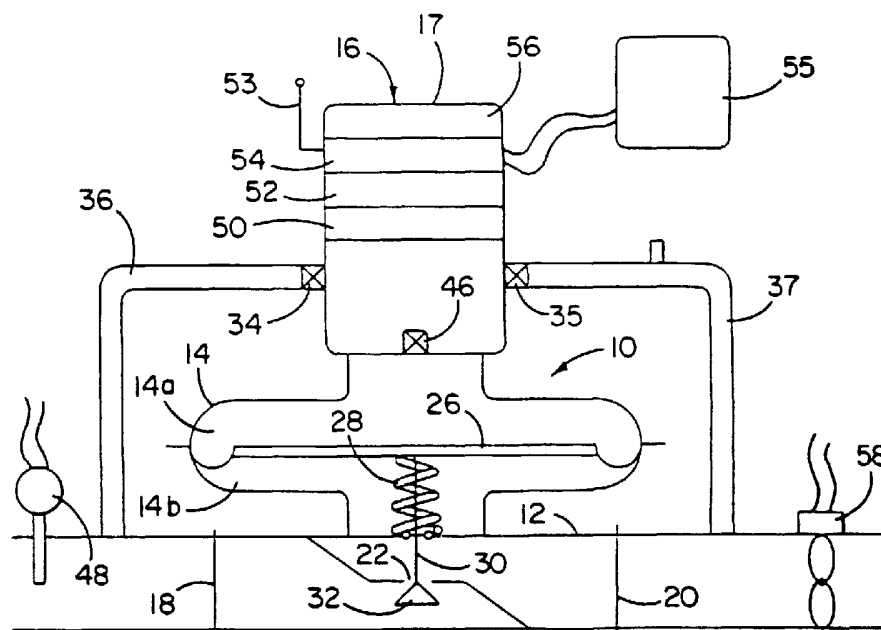
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(54) Title: LOW POWER REGULATOR SYSTEM AND METHOD



(57) Abstract: Methods are disclosed for collecting sensor data in a pressure regulator system including a controller and a plurality of sensors (34, 35, 44, 48, 58). The controller and each of the individual sensors are activated as required to collect sensor data during a sampling period thereby reducing the amount of power consumed by the pressure regulator system. Further power conservation measures are implemented by using a battery sensor to monitor the capacity of the pressure regulator battery and placing the pressure regulator in reduced power consumption operating modes as the capacity of the battery is reduced.



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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	US 5 991 827 A (ELLENBY PETER MALCOLM ET AL) 23 November 1999 (1999-11-23) column 1, line 63 -column 6, line 2 column 9, line 65 -column 11, line 53 column 16, line 26-44 column 19, line 40-64 figures 1,3,5,7,16,20	16-19
A	claims 1,4-8	1-15, 20-30
X	EP 0 937 992 A (PEUGEOT ;CITROEN SA (FR)) 25 August 1999 (1999-08-25)	31-33, 37-39, 42,46-48
A	the whole document	34-36, 40,41, 43-45
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INTERNATIONAL SEARCH REPORT

International Application No
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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