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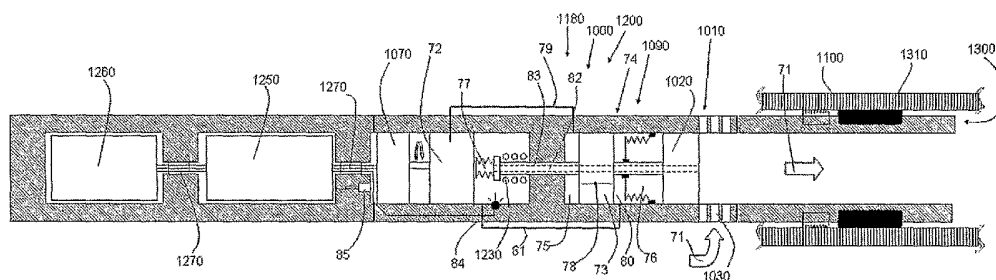
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(54) Title: SYSTEM AND METHOD FOR WIRELESS DATA TRANSMISSION



(57) Abstract: The invention relates to a system and method for wireless data transmission in an open process regime, for example a producing (or injecting) well associated with oil and gas production, the system comprising means for data acquisition, means for data conversion, means for wireless data transmission, control means, power source, and a static pulse generation device adapted for generating static pressure fluctuations in the well fluid. The data conversion means are adapted to convert data to a simplified number format to be transmitted by the induced fluctuations in the process fluid.

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A. CLASSIFICATION OF SUBJECT MATTER INV. G01V11/00 E21B47/12		
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B. FIELDS SEARCHED		
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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	EP 0 140 788 A (SCHLUMBERGER TECHNOLOGY CORPORATION) 8 May 1985 (1985-05-08) pages 15-25 figure 1	1, 8, 10, 13, 17, 18, 21-23
X	US 5 150 333 A (SCHERBATSKOY ET AL) 22 September 1992 (1992-09-22) column 9, line 66 - column 10, line 52 figure 3	1, 8, 10, 13, 17, 18, 21-23
A	US 5 691 712 A (MEEK ET AL) 25 November 1997 (1997-11-25) claim 1	1-24
<input type="checkbox"/> Further documents are listed in the continuation of Box C.		
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