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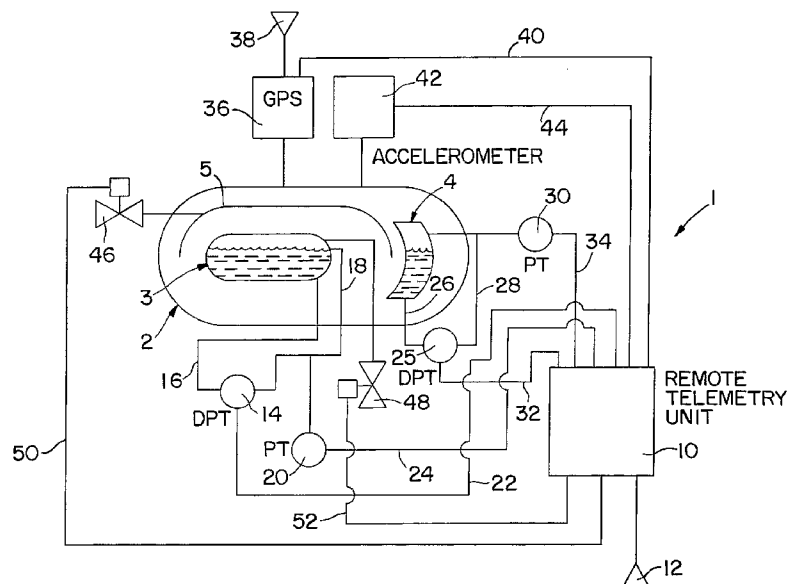
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(54) Title: MONITORING SYSTEM FOR A MOBILE STORAGE TANK



(57) Abstract: A remote monitoring system (1) for a mobile storage tank (2) having a product container (3) in which a remote telemetry unit (10) gathers liquid level and head space pressure data and global position data. The remote telemetry unit (3) effects a wireless transmission of a standard message structure containing the pressure (20) and level data (14) and the global position data (36). In addition, in case of a storage tank (2) having a thermal shield (4), pressure and level data for the shield fluid, itself may also be in the standard data record as well as acceleration data from an accelerometer to indicate tank damage. If upset conditions of pressure and liquid level are reached in the thermal shield (4) and/or product container (3), vapor may be vented in accordance with preset programming in order to attempt to reestablish liquid level and vapor pressure above set points.

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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
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