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(54) **AUTOMATIC INITIATION OF PRIMING SEQUENCE FOR METERING PUMPS**

(57) A metering pump is typically used to move a specified volume of liquid in a specified amount of time. Because it may be desirable to maintain fluid in the pumping system such that the metering pump is maintained in a primed condition, an automatic prime detection function

is provided by monitoring the current to a solenoid assembly of the pump. A loss of prime condition can then be detected by comparing the measured current to a characterized selected current value such that operation of the metering pump can be changed based on load.

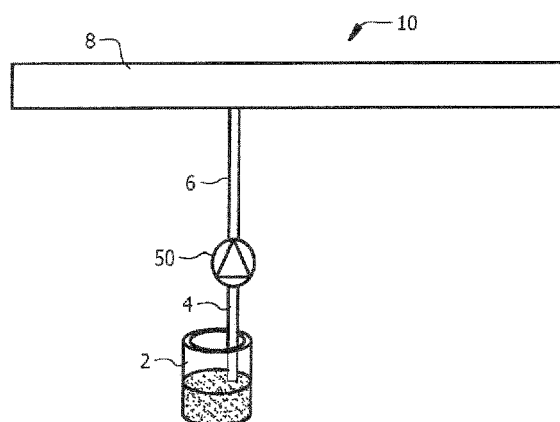


FIG. 1A

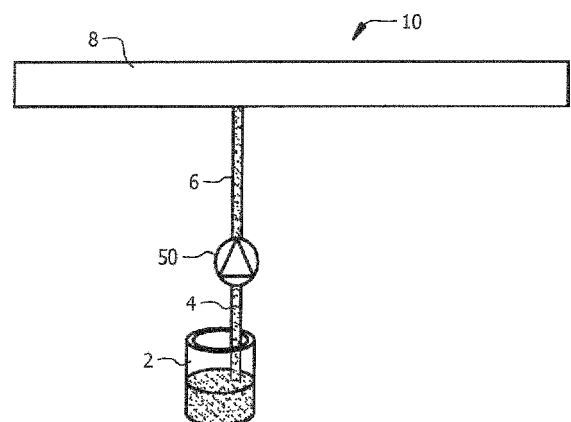


FIG. 1B



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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 May 2020	Examiner Homan, Peter
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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