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CleanTech Loop, #03-05 CleanTech One, Singapore
637141 (SG).(72) Inventors: **HIES, Thomas**; 99 Farrer Drive, #03-06 Som-
merville Park, Singapore 259293 (SG). **NA, Nguyen, Ho-**
ang; Block 826, Jurong West Street 81, #10-430, Singa-pore 640826 (SG). **SKRIPALLE, Juergen**; Am Kreuz-
stein 7, 87660 Irsee (DE).(74) Agents: **SCHWEIGER, Martin** et al.; 105 Cecil Street,
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(54) Title: AN IMPROVED SUSPENDED SEDIMENT METER

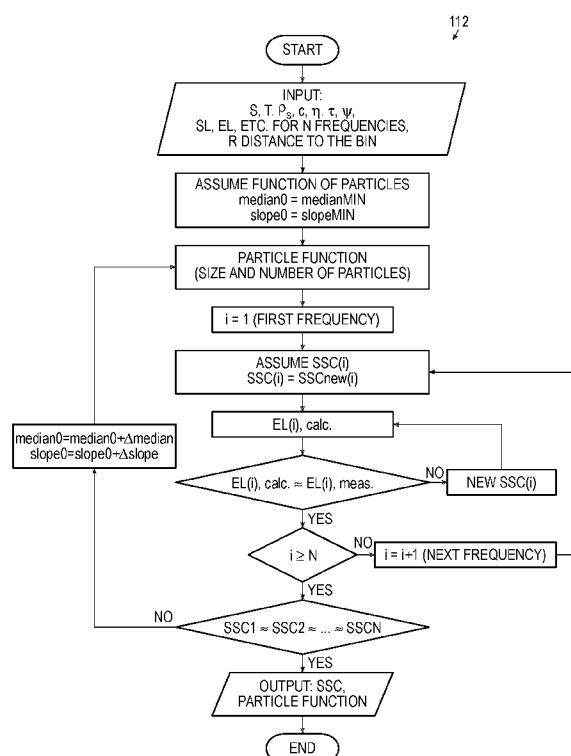


FIG. 6

(57) Abstract: The application provides a device for measuring at least one parameter value of a suspended sediment of a fluid. The device includes a backscattering transducer module, a storage unit, and a calculation unit. The backscattering transducer module comprises a source module and a receiver module. The source module transmits at least three acoustic signals with different fixed characterising measurement frequencies while the receiver module measures at least three echo level values of echo signals, which correspond with the at least three acoustic signals. The storage unit stores a data set of predetermined echo level values with a data set of predetermined suspended sediment parameter values. The calculation unit derives at least one suspended sediment parameter value from the data sets and the at least three echo level values.



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