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(71) Applicants: ACEA S.P.A. [IT/IT]; Piazzale Ostiense, 2, 00154 Roma (IT). SUEZ GROUPE [FR/FR]; Tour CB21 - place de l'Iris, 16, 92040 Paris La Défense (FR).

(72) Inventors: PAPALEO, Giovanni; c/o ACEA S.P.A., Piazzale Ostiense, 2, 00154 Roma (IT). COSENTINO, Claudio; c/o ACEA S.P.A., Piazzale Ostiense, 2, 00154 Roma (IT). COLOCCI, Massimo; c/o ACEA S.P.A., Piazzale Ostiense, 2, 00154 Roma (IT). VARRIALE, Anna; c/o ACEA S.P.A., Piazzale Ostiense, 2, 00154 Roma (IT). SARTORI, Michele; c/o ACEA S.P.A., Piazzale Ostiense, 2, 00154 Roma (IT). LOYSON, Samuel; c/o SUEZ GROUPE, Tour CB21 - place de l'Iris, 16, 92040 Paris La Défense (FR). HAEFFNER, Hugues; c/o SUEZ GROUPE, Tour CB21 - place de l'Iris, 16, 92040 Paris La Défense (FR). LOUVET, Pierre-Emmanuel; c/o SUEZ GROUPE, Tour CB21 - place de l'Iris, 16, 92040 Paris La Défense (FR). PREGO, Nicolas; c/o SUEZ GROUPE, Tour CB21 - place de l'Iris, 16, 92040 Paris La Défense (FR). DUPONT, Eléonore; c/o SUEZ GROUPE, Tour CB21 - place de l'Iris, 16, 92040 Paris La Défense (FR).

(54) Title: REMOTELY CONTROLLABLE WATER METER AND RELATED MONITORING SYSTEM AND CONTROLLING METHOD

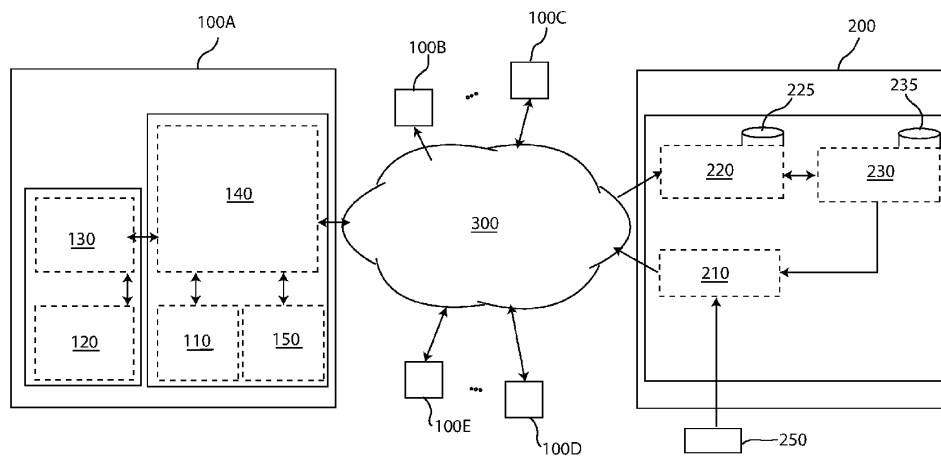


Fig. 1

(57) Abstract: Water meter, configured to supply water at a customer site, including: – a water flow regulating valve configured to assume at least three predetermined positions including a fully open position configured to let a maximum water flow to be supplied at said customer site, a closed position configured to prevent water flow to be supplied at said customer site, and at least one intermediate position configured to let at least one respective intermediate water flow, lower than the maximum water flow, to be supplied at said customer site; – an actuator operatively coupled to the water flow regulating valve and configured to automatically set a current position of the water flow regulating valve selected out of said at least three predetermined positions; – a pressure sensor configured to detect water pressure upstream of the water flow regulating valve; – a processing and communicating unit, operatively connected to the actuator, that is configured to communicate with a remote water provider centre to receive water flow regulating valve setting data,

[Continued on next page]

(74) **Agent:** SCILLETTA, Andrea et al.; IP SEXTANT S.r.l.,
Via Antonio Salandra, 18, 00187 Roma (IT).

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wherein said processing and communicating unit is further operatively connected to said pressure sensor to receive water pressure data sensed by said pressure sensor; wherein said processing and communicating unit is configured to control the actuator to cause the water flow regulating valve to assume said current position corresponding to valve position setting data that are correlated to said water flow regulating valve setting data and to said water pressure upstream of said water flow regulating valve detected by said pressure sensor, wherein said water flow regulating valve setting data are in turn correlated to a customer profile.