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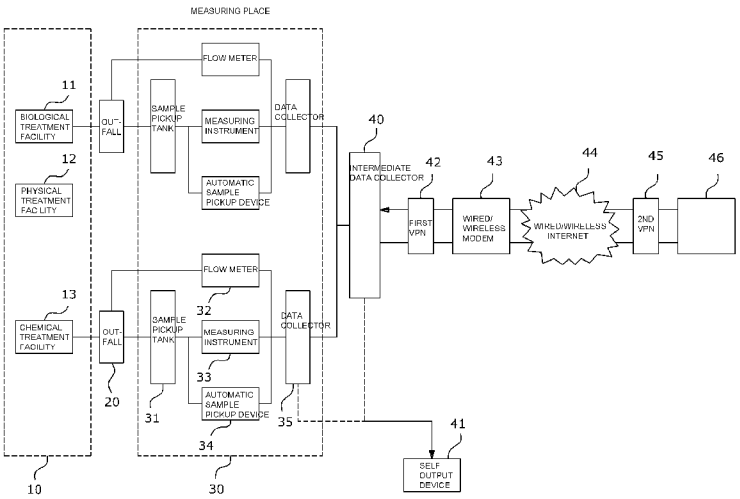
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[Continued on next page]

(54) **Title**: WATER QUALITY TELEMONITORING SYSTEM

[Fig. 2]



(57) **Abstract**: A remote water quality monitoring system is provided. The remote water quality monitoring system includes: a measuring instrument that measures the concentrations of pollutant included in sewage/wastewater discharged from one or more outfalls in real time and that outputs a measured value signal and an instrument state signal; a data collector that transmits a remote control command transmitted from a control center monitoring or controlling the one or more outfalls to the measuring instrument, that collects the measured value signal and the instrument state signal in real time to create and store average data, and that transmits the average data to the control center; and an automatic sample pickup device that discontinuously or continuously picks up a sample of the sewage/wastewater from a sample pickup tank formed between the outfalls and the measuring instrument so as to allow the measuring instrument to continuously measure water quality.

WO 2012/141475 A3

SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G06Q 50/26; G01N 33/00; G01N 33/18; G06Q 50/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: water, quality, monitor, remote, measure, sample

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 10-2007-0081461 A (HYDRONET CO., LTD. et al.) 16 August 2007 See abstract and claims 1, 4, 9.	1-7
Y	KR 10-2004-0026567 A (KOREA BIOSYSTEM CO., LTD.) 31 March 2004 See abstract and claims 1, 3.	1-7
Y	KR 10-2002-0008628 A (ISTEK, INC.) 31 January 2002 See abstract, claim 1 and page 2.	1-7
A	KR 10-2008-0089958 A (NDS CORPORATION) 08 October 2008 See abstract and claim 1.	1-7

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents,such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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KR 10-2008-0089958 A	08.10.2008	None	