

Title (en)

Flow amount measurement apparatus and wireless device for use in flow amount measurement apparatus

Title (de)

Durchflussmessvorrichtung und drahtlose Vorrichtung zur Verwendung in der Durchflussmessvorrichtung

Title (fr)

Appareil de mesure de quantité d'écoulement et dispositif sans fil destiné à être utilisé dans un tel appareil de mesure

Publication

EP 2804257 A1 20141119 (EN)

Application

EP 14168459 A 20140515

Priority

- JP 2013102722 A 20130515
- JP 2013128226 A 20130619
- JP 2013129165 A 20130620

Abstract (en)

There is provided a flow amount measurement apparatus and the like whose transmission output is reduced relative to conventional techniques even when the wireless transmission output power is increased. The flow amount measurement apparatus includes: a housing accommodating a sensor for outputting a detected value concerning a flow amount of a substance for measurement; a first circuit board having thereon a first circuit for acquiring data concerning a flow amount of the substance for measurement based on the detected value; a second circuit board having thereon a second circuit, the second circuit being electrically connected to the first circuit board and modulating a high-frequency signal with the data concerning the flow amount; and a radiation conductor being connected to the second circuit board, and radiating the high-frequency signal as a radio wave. The radiation conductor includes a lead having at least one pair of a first linear portion and a second linear portion which are parallel and opposing each other, the high-frequency signal being sent in mutually opposite directions in the first linear portion and the second linear portion.

IPC 8 full level

H01Q 1/22 (2006.01); **H01Q 9/26** (2006.01)

CPC (source: EP)

H01Q 1/2233 (2013.01); **H01Q 9/26** (2013.01)

Citation (applicant)

JP H10313212 A 19981124 - MATSUSHITA ELECTRIC IND CO LTD

Citation (search report)

- [X] US 2003085842 A1 20030508 - PORTER LAWRENCE R [US], et al
- [I] US 2011063172 A1 20110317 - PODDUTURI BHARADVAJ R [US]
- [A] US 7692600 B1 20100406 - PAKOSZ DANIEL [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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