

Title (en)

DEVICE FOR MEASURING AT LEAST ONE PROPERTY OF WATER

Title (de)

VORRICHTUNG ZUR MESSUNG VON MINDESTENS EINER EIGENSCHAFT VON WASSER

Title (fr)

DISPOSITIF DE MESURE D'AU MOINS UNE PROPRIÉTÉ D'UNE EAU

Publication

EP 2452187 A1 20120516 (FR)

Application

EP 10727448 A 20100706

Priority

- EP 2010059671 W 20100706
- FR 0954669 A 20090706

Abstract (en)

[origin: WO2011003923A1] The invention relates to a device for measuring at least one physico-chemical parameter of water, said device including a means for measuring the concentration of active chlorine in the form of hypochlorous acid HOCl in said water. According to the invention, said means for measuring the chlorine concentration in the form of hypochlorous acid HOCl includes first (21) and second (22) amperometric sensors for detecting chlorine in the form of hypochlorous acid HOCl, each outputting a signal, said two amperometric chlorine sensors (21, 22) having a single common reference electrode (25) and being connected to a double potentiostat, characterised in that said invention includes a means for simultaneously implementing said first (21) and second (22) amperometric sensors, and in that said invention includes a means for measuring a difference between the signals output by said two sensors (21, 22).

IPC 8 full level

G01N 33/18 (2006.01); **G01N 27/416** (2006.01); **G01N 27/49** (2006.01)

CPC (source: EP US)

G01N 33/1886 (2013.01 - EP US); **G01N 27/06** (2013.01 - EP US); **G01N 27/4168** (2013.01 - EP US)

Citation (search report)

See references of WO 2011003923A1

Citation (examination)

US 6232786 B1 20010515 - BARNETT BEN E [US]

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 SE SI SK SM TR

DOCDB simple family (publication)

FR 2947634 A1 20110107; **FR 2947634 B1 20120727**; BR 112012000400 A2 20180220; CN 102483397 A 20120530; CN 102483397 B 20160608; EP 2452187 A1 20120516; JP 2012532329 A 20121213; US 2012145561 A1 20120614; WO 2011003923 A1 20110113

DOCDB simple family (application)

FR 0954669 A 20090706; BR 112012000400 A 20100706; CN 201080030658 A 20100706; EP 10727448 A 20100706; EP 2010059671 W 20100706; JP 2012518972 A 20100706; US 201013382693 A 20100706