

Title (en)

METHOD AND DEVICE FOR DETERMINING THE CHEMICAL OXYGEN REQUIREMENT OF WATER OR WASTE WATER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DES CHEMISCHEN SAUERSTOFFBEDARFS VON WASSER ODER ABWASSER

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION DES BESOINS CHIMIQUES EN OXYGÈNE D'EAU OU D'EAUX USÉES

Publication

EP 2188625 A1 20100526 (DE)

Application

EP 08773593 A 20080623

Priority

- EP 2008005058 W 20080623
- DE 102007041787 A 20070903

Abstract (en)

[origin: WO2009030296A1] The invention relates to a method for determining the chemical oxygen requirement of water or waste water, wherein the determination is carried out by the nonspecific electrochemical oxidation of the agents dissolved in a sample of the water or waste water. The current flowing over working electrodes immersed in the water or waste water is a measure of the quantity of ingredients of the water or waste water converted per time unit at the electrodes, and thus of the content of ingredients, wherein measurements are performed in a first measurement step, using water or waste water being moved on at least one electrode, and in a second measuring step, using water or waste water that is substantially static with respect to the electrode, and a difference is formed between the current intensities measured in the first and second measurement steps as a measure of the content of ions of at least one specific element, particularly chlorine.

IPC 8 full level

G01N 27/42 (2006.01); **G01N 33/18** (2006.01)

CPC (source: EP)

G01N 27/423 (2013.01); **G01N 33/1806** (2013.01)

Citation (search report)

See references of WO 2009030296A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009030296 A1 20090312; CN 101815940 A 20100825; CN 101815940 B 20130102; EP 2188625 A1 20100526; KR 20100087280 A 20100804; RU 2010108927 A 20111127

DOCDB simple family (application)

EP 2008005058 W 20080623; CN 200880105285 A 20080623; EP 08773593 A 20080623; KR 20107007077 A 20080623; RU 2010108927 A 20080623