

Title (en)

METHOD AND DEVICE FOR DETERMINING MAINTENANCE INTERVALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG VON WARTUNGSINTERVALLEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION DES INTERVALLES DE MAINTENANCE

Publication

**EP 2191076 A1 20100602 (DE)**

Application

**EP 08748364 A 20080523**

Priority

- CH 2008000234 W 20080523
- CH 13652007 A 20070829

Abstract (en)

[origin: CA2696426A1] In the method according to the invention, an indicator element (33) is arranged above the outlet opening, i.e. above the valve (9) of a urinal, said indicator element degrading somewhat through each use and changing its colour after a prescribed number of uses. The colour change is an indicator which alerts the maintenance personnel that it is time to replace the valve (17). At the same time, it is also possible for cleaning and biodegradable substances to be added to the indicator element (33).

IPC 8 full level

**E03D 9/00** (2006.01)

CPC (source: EP US)

**E03D 9/00** (2013.01 - EP US); **E03D 13/005** (2013.01 - EP US)

Citation (search report)

See references of WO 2009026733A1

Cited by

CN108060711A

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)

**DE 202008007289 U1 20081002**; AU 2008291613 A1 20090305; AU 2008291613 B2 20141106; BR PI0815974 A2 20150218; CA 2696426 A1 20090305; CA 2696426 C 20160223; CN 101855409 A 20101006; CN 101855409 B 20140212; EP 2191076 A1 20100602; HK 1146494 A1 20110610; JP 2010537091 A 20101202; KR 20100063735 A 20100611; MX 2010001966 A 20100729; RU 2010111749 A 20111010; RU 2478155 C2 20130327; US 2011016619 A1 20110127; US 8789214 B2 20140729; WO 2009026733 A1 20090305

DOCDB simple family (application)

**DE 202008007289 U 20080530**; AU 2008291613 A 20080523; BR PI0815974 A 20080523; CA 2696426 A 20080523; CH 2008000234 W 20080523; CN 200880105188 A 20080523; EP 08748364 A 20080523; HK 11100641 A 20110121; JP 2010522154 A 20080523; KR 20107006591 A 20080523; MX 2010001966 A 20080523; RU 2010111749 A 20080523; US 67570408 A 20080523