

Title (en)

Device for contactless actuation of a flushing valve

Title (de)

Vorrichtung zur berührungslosen Auslösung eines Spülkastenventils

Title (fr)

Dispositif de déclenchement sans contact d'une vanne de chasse d'eau

Publication

EP 2210988 A3 20130327 (DE)

Application

EP 10151536 A 20100125

Priority

DE 202009000981 U 20090126

Abstract (en)

[origin: EP2210988A2] The device has a sensor matrix i.e. optical electronic element, attached to an electronic controller (4) for contactlessly detecting body movements. An evaluation device compares a signal value output by the sensor matrix with a stored signal value that is associated to the body movements. A water level sensor is attached to the controller for detecting a cistern fill level, and a cover plate (6) e.g. semitransparent glass or plastic plate, is provided with a display device for displaying released flushing and the cistern fill level.

IPC 8 full level

E03D 5/02 (2006.01); **E03D 5/10** (2006.01)

CPC (source: EP)

E03D 5/02 (2013.01); **E03D 5/028** (2013.01); **E03D 5/10** (2013.01)

Citation (search report)

- [IP] AT 506791 A4 20091215 - WIMBERGER HERBERT [AT]
- [YPA] GB 2451646 A 20090211 - JOHNSON ELECTRIC SA [CH]
- [A] DE 102004045489 A1 20060406 - HANSA METALLWERKE AG [DE]
- [YA] EP 1156166 A2 20011121 - GEBERIT TECHNIK AG [CH]
- [A] EP 1961877 A2 20080827 - VIEGA GMBH & CO KG [DE]

Cited by

EP3559385A4; EP3732337A4; EP3882408A1; EP4353918A1; EP3875700A1; US11408158B2; US11982073B2; US11118338B2; US11603650B2; US11913207B2

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2210988 A2 20100728; **EP 2210988 A3 20130327**; **EP 2210988 B1 20170412**; DE 202009000981 U1 20100916; DK 2210988 T3 20170717; ES 2630021 T3 20170817

DOCDB simple family (application)

EP 10151536 A 20100125; DE 202009000981 U 20090126; DK 10151536 T 20100125; ES 10151536 T 20100125