

Title (en)  
TOUCHLESS ACTIVATION OF A TOILET

Title (de)  
BERÜHRUNGSLOSE AKTIVIERUNG EINER TOILETTE

Title (fr)  
ACTIVATION SANS CONTACT DE TOILETTES

Publication  
**EP 2931986 A1 20151021 (EN)**

Application  
**EP 13865770 A 20131216**

Priority  
• US 201261738210 P 20121217  
• US 2013075482 W 20131216

Abstract (en)  
[origin: WO2014099817A1] A toilet sensor and actuator assembly, having: (a) an infrared sensor configured to detect the presence of an object at a far distance from a toilet; (b) an ultrasonic sensor configured to detect the presence of the object at a near distance from the toilet, wherein the ultrasonic sensor remains in a sleep mode until awakened by a signal from the infrared sensor that the infrared sensor has detected the presence of the object at the far distance; and (c) an actuator mechanism that flushes the toilet in response to a signal from the ultrasonic sensor that the ultrasonic sensor has detected the presence of the object at the near distance.

IPC 8 full level  
**E03D 5/10** (2006.01)

CPC (source: EP)  
**E03D 5/105** (2013.01); **E03C 1/057** (2013.01)

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Designated extension state (EPC)  
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