

Title (en)

Passive sensors for automatic faucets and bathroom flushers

Title (de)

Passive Sensoren für automatische Wasserhähne und Spüleinrichtungen für Badezimmer

Title (fr)

Capteurs passifs pour robinets et dispositifs de chasse d'eau automatiques

Publication

EP 1693523 A2 20060823 (EN)

Application

EP 06011070 A 20031204

Priority

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- US 0238757 W 20021204
- US 0238758 W 20021204
- US 0241576 W 20021226
- US 51372203 P 20031022

Abstract (en)

A passive optical sensor includes a light detector sensitive to ambient (room) light for controlling, for example, the operation of automatic faucets (10, 10A, 10B, 10C) or automatic bathroom flushers (100, 100A). The passive optical sensors provide signals to flow controllers, including control electronics (400) and flow valves (38, 140) and require only very small amounts of electrical power for sensing users of bathroom facilities, and thus enable battery operation for many years. To control the operation of automatic faucets or automatic bathroom flushers based on ambient light, the controller executes novel algorithms (600, 900).

IPC 8 full level

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CPC (source: EP)

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