Title (en)

Access control device for a room such as a lavatory

Title (de)

Zugangskontrollvorrichtung für einen Raum wie eine Toilette

Title (fr)

Dispositif de contrôle de l'accés d'un lieu tel un cabinet d'aisance

Publication

EP 0921506 B1 20030625 (FR)

Application

EP 98490034 A 19981204

Priority

FR 9715727 A 19971208

Abstract (en)

[origin: EP0921506A1] The automatic system encourages correct hand washing procedures, linking the operation of the tap and door lock. The system provides control of access to a toilet cabin which includes a hand washing basin (3). The hand basin includes a tap (4) and a sensor which detects whether the tap is turned on or not. There may also be a sensor using an electromagnetic signal to detect the presence of the hands under the jet of water. These sensors are used to control a device (100) associated with the door lock (10), such that the door is automatically locked when the hand basin is in use. The locking of the door may be effective for a certain minimum duration once use of the hand basin is detected. A manual over-ride control may also be provided.

IPC 1-7

G08B 21/00

IPC 8 full level

A47K 17/00 (2006.01); **E03C 1/05** (2006.01); **E03D 11/00** (2006.01); **G08B 21/24** (2006.01)

CPC (source: EP)

E03C 1/057 (2013.01); **G08B 21/245** (2013.01)

Cited by

US11284333B2; US11711745B2; US9672726B2; US9965943B2; US8344893B1; US10529219B2; USRE48951E; US9558647B1; US9824569B2; US11272815B2; US11903537B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0921506 A1 19990609; **EP 0921506 B1 20030625**; AT E243873 T1 20030715; CA 2312036 A1 19990617; CN 1129880 C 20031203; CN 1281574 A 20010124; DE 69815799 D1 20030731; DE 69815799 T2 20040429; DK 0921506 T3 20031020; ES 2202779 T3 20040401; FR 2772059 A1 19990611; FR 2772059 B1 20000114; HK 1021845 A1 20000707; JP 2001526343 A 20011218; PT 921506 E 20031128; WO 9930299 A1 19990617

DOCDB simple family (application)

EP 98490034 A 19981204; AT 98490034 T 19981204; CA 2312036 A 19981204; CN 98811969 A 19981204; DE 69815799 T 19981204; DK 98490034 T 19981204; ES 98490034 T 19981204; FR 9715727 A 19971208; FR 9802623 W 19981204; HK 99105763 A 19991209; JP 2000524777 A 19981204; PT 98490034 T 19981204