

Title (en)
Water outlet device

Title (de)
Wasserauslaufeinrichtung

Title (fr)
Dispositif d'écoulement d'eau

Publication
EP 1132530 A3 20030507 (DE)

Application
EP 01101994 A 20010130

Priority
DE 10005961 A 20000209

Abstract (en)
[origin: US2001011390A1] A valve system in which a magnetic valve is in series with a manually-operated valve and contact with the handle of the manually-operated valve initiates flow via the electronic controller whereas, upon loss of contact, a proximity detector controls the magnetic valve when an object, such as a user's hand, is in range. The manual contact is superordinate and proximity detection is subordinate and the proximity detector remains permanently switched on during the operating duration.

IPC 1-7
E03C 1/04; **E03C 1/05**

IPC 8 full level
E03C 1/04 (2006.01); **E03C 1/05** (2006.01)

CPC (source: EP US)
E03C 1/05 (2013.01 - EP US)

Citation (search report)
• [X] US 5107894 A 19920428 - HOCHSTRASSER FERDINAND [CH]
• [XD] DE 19723312 A1 19981210 - GROHE ARMATUREN FRIEDRICH [DE]
• [A] US 4709728 A 19871201 - YING-CHUNG CHEN [TW]
• [A] US 5322086 A 19940621 - SULLIVAN ROBERT A [US]
• [A] US 5287570 A 19940222 - PETERSON DONALD A [US], et al

Cited by
US7537023B2; US11091901B2; US7472433B2; US8104113B2; US8820705B2; US9567734B2; US10428497B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2001011390 A1 20010809; **US 6363549 B2 20020402**; AT E279595 T1 20041015; DE 10005961 A1 20010816; DE 50104062 D1 20041118; EP 1132530 A2 20010912; EP 1132530 A3 20030507; EP 1132530 B1 20041013; ES 2226987 T3 20050401

DOCDB simple family (application)
US 77712301 A 20010205; AT 01101994 T 20010130; DE 10005961 A 20000209; DE 50104062 T 20010130; EP 01101994 A 20010130; ES 01101994 T 20010130