

Title (en)
PLUMBING FIXTURE SANITISING SYSTEM

Title (de)
SANITÄRSYSTEM FÜR SANITÄRARMATUREN

Title (fr)
SYSTÈME D'ASSAINISSEMENT D'APPAREIL SANITAIRE

Publication
EP 4150168 B1 20240501 (EN)

Application
EP 21726961 A 20210512

Priority
• GB 202006948 A 20200512
• GB 2021051131 W 20210512

Abstract (en)
[origin: GB2594943A] A plumbing fixture sanitising system 100 including a supply pipe 42 with an electrochemical cell 10 to produce ozone from electrolysis of water, the supply pipe supplying a cistern 40 which in turn supplies water to a plumbing fixture e.g. urinals 20. Also claimed is a method of sanitizing a plumbing fixture using ozonated water having a concentration of 0.7ppm. The use of a cistern which fills relatively slowly allows a relatively high concentration of ozone compared to the use of an electrochemical cell in the faster flowing flushing conduits (i.e. after a cistern). The system may include a controller to operate valves and the electrochemical cell, comprising a sensor for detecting the presence of a person, wherein the controller may operate the system, for set periods and/or with time delays based on detection of a user to ensure fresh ozonated water is produced when the fixture is used. The system may create ozonated water having a concentration of 1.1ppm or more.

IPC 8 full level
E03D 9/02 (2006.01)

CPC (source: EP GB)
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