

Title (en)
SYSTEM AND METHOD FOR AUTOMATED CONTROL, FEED, DELIVERY VERIFICATION, AND INVENTORY MANAGEMENT OF CORROSION AND SCALE TREATMENT PRODUCTS FOR WATER SYSTEMS

Title (de)
SYSTEM UND VERFAHREN ZUR AUTOMATISCHEN STEUERUNG, SPEISUNG, LIEFERBESTÄTIGUNG UND INVENTARVERWALTUNG VON KORROSIONS- UND KESSELSTEINBEHANDLUNGSPRODUKTEN FÜR WASSERSYSTEME

Title (fr)
SYSTÈME ET PROCÉDÉ DE COMMANDE, D'ALIMENTATION, DE VÉRIFICATION DE DISTRIBUTION, ET DE GESTION D'INVENTAIRE DE PRODUITS DE TRAITEMENT CONTRE LA CORROSION ET L'ENTARTRAGE POUR LES SYSTÈMES D'EAU

Publication
EP 3758489 A4 20210519 (EN)

Application
EP 19761205 A 20190122

Priority
• US 201815908163 A 20180228
• US 2019014462 W 20190122

Abstract (en)
[origin: WO2019168607A1] A system and method of controlling the treatment of water systems comprises multiple feeders for separately feeding treatment products, in the form of concentrated, non-hazardous, liquids with a single active ingredient, to a water system to treat various issues, such as corrosion and biofilms. A sensor verifies delivery of the treatment product to the water system. A controller controls activation of each feeder to control a feed rate according to programmed functions. The controller receives signals from sensors, which can be used as inputs in calculating feed rates or feeder activation times according to the programmed functions and can alter treatment product feed rates based on real time data regarding water system chemistry or flow rates. The controller can send and receive data, signals, alerts, alarms or changes in programming to or from remote users, remote computers, or a water system controller.

IPC 8 full level
A01N 37/16 (2006.01); **B08B 9/08** (2006.01); **C02F 1/68** (2006.01); **C02F 5/14** (2006.01); **C23F 11/10** (2006.01); **C23F 11/167** (2006.01); **C23F 11/173** (2006.01); **C23F 14/02** (2006.01)

CPC (source: EP)
A01N 37/16 (2013.01); **B08B 9/08** (2013.01); **C02F 1/686** (2013.01); **C02F 5/14** (2013.01); **C23F 11/10** (2013.01); **C23F 11/1676** (2013.01); **C23F 11/173** (2013.01); **C23F 14/02** (2013.01); **C02F 2209/006** (2013.01); **C02F 2209/008** (2013.01); **C02F 2209/05** (2013.01); **C02F 2209/06** (2013.01); **C02F 2209/11** (2013.01); **C02F 2209/40** (2013.01); **C02F 2209/44** (2013.01); **C02F 2303/08** (2013.01); **C02F 2303/22** (2013.01)

Citation (search report)
• [X1] US 5294916 A 19940315 - BOLTON MICHAEL P [US], et al
• [XY1] US 4659459 A 19870421 - O'LEARY RICHARD P [US], et al
• [XY1] EP 0161844 A2 19851121 - BETZ EUROP INC [US]
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• [XY] US 9834452 B1 20171205 - FULLER BURL [US], et al
• [X] US 2016115061 A1 20160428 - UKAI NOBUYUKI [JP], et al
• [Y] US 2017306506 A1 20171026 - DREWNIK MARTA [US], et al
• [Y] US 2017297938 A1 20171019 - DREWNIK MARTA [US], et al
• See references of WO 2019168607A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019168607 A1 20190906; CA 3088751 A1 20190906; EP 3758489 A1 20210106; EP 3758489 A4 20210519

DOCDB simple family (application)
US 2019014462 W 20190122; CA 3088751 A 20190122; EP 19761205 A 20190122