

Title (en)
SYSTEM FOR CONTROLLING SUPPLY OF OZONE TO WASHING MACHINE TO MAXIMIZE CUMULATIVE CT VALUE

Title (de)
SYSTEM ZUR STEUERUNG DER OZONVERSORGUNG EINER WASCHMASCHINE ZUR MAXIMIERUNG DES KUMULATIVEN CT-WERTS

Title (fr)
SYSTÈME PERMETTANT DE COMMANDER L'ALIMENTATION D'OZONE DANS UNE MACHINE À LAVER AFIN DE MAXIMISER LA VALEUR CT CUMULÉE

Publication
EP 2809839 A4 20150923 (EN)

Application
EP 12866544 A 20120801

Priority
• US 2012022212 W 20120123
• US 2012049179 W 20120801

Abstract (en)
[origin: WO2013112197A1] Method and system for controlling a concentration of ozone in a washing machine to be at or below a target value so that a cumulative contact time of the ozone with laundry approaches a duration of time of an entire wash stage or cycle thereby ensuring killing of any infectious diseases. The method comprises supplying ozone to the washing machine, upon filling the washing machine, and supplementing the supplied ozonated water by supplying additional ozone to the wash machine during each wash stage or cycle, and controlling the supply of ozone supplied to the wash machine so that the concentration of ozone sampled or exhausting from the washing machine is controlled to be within a control band between 60% and 100% of the target value and the cumulative contact time of the ozone with the laundry is at least 60% of the duration of the entire wash stage or cycle.

IPC 8 full level
D06F 33/02 (2006.01); **D06F 17/12** (2006.01)

CPC (source: EP US)
D06F 17/12 (2013.01 - EP US); **D06F 35/001** (2013.01 - EP US)

Citation (search report)
• [A] US 5493743 A 19960227 - SCHNEIDER KEITH R [US], et al
• [A] GB 1307691 A 19730221 - STEINER CO LAUSANNE SA
• [A] DE 102010029885 A1 20111215 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] US 2010107343 A1 20100506 - DANIELS RALPH G [US], et al
• See references of WO 2013112197A1

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

DOCDB simple family (publication)
WO 2013112197 A1 20130801; EP 2809839 A1 20141210; EP 2809839 A4 20150923; EP 2809839 B1 20230913

DOCDB simple family (application)
US 2012049179 W 20120801; EP 12866544 A 20120801