EXHIBIT 2014

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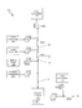
Systems and methods for generation of reactive oxygen species and applications ...

WO EP US CN AU CA • CA2900460C • Wayne Buschmann • **Clean Chemistry**, Llc

Priority 2012-09-07 • Filed 2013-09-07 • Granted 2021-08-31 • Published 2021-08-31

Reactive oxygen species formulations as well as methods for making and using such formulations. Reactive oxygen species formulations comprising one or more parent oxidants, such as peroxides, or peroxyacids, and one or more reactive oxygen species. (ROS). The formulations optionally contain in ...

System and method for generation of point of use reactive oxygen species



WO EP US CN AU CA • US9517956B2 • Wayne BUSCHMANN • **Clean Chemistry**, Llc

Priority 2012-09-07 • Filed 2016-07-11 • Granted 2016-12-13 • Published 2016-12-13

Systems and methods for generating reactive oxygen species formulations useful in various oxidation applications. Exemplary formulations include singlet oxygen or superoxide and can also contain hydroxyl radicals or hydroperoxy radicals, among others. Formulations can contain other reactive ...

System and method for generation of point of use reactive oxygen species

WO EP US CN AU CA • US10875799B2 • Wayne BUSCHMANN • **Clean Chemistry**, Inc.

Priority 2012-09-07 • Filed 2019-11-12 • Granted 2020-12-29 • Published 2020-12-29

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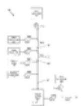
System and method for generation of point of use reactive oxygen species



WO EP US CN AU CA • US9517955B2 • Wayne BUSCHMANN • **Clean Chemistry**, Llc

Priority 2012-09-07 • Filed 2013-09-07 • Granted 2016-12-13 • Published 2016-12-13

Systems and methods for generating reactive oxygen species formulations useful in various oxidation applications. Exemplary formulations include singlet oxygen or superoxide and can also contain hydroxyl radicals or hydroperoxy radicals, among others. Formulations can contain other reactive ...

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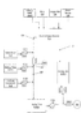
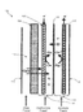


WO EP US CN AU CA • US20200079665A1 • Wayne BUSCHMANN • **Clean Chemistry**, Inc.

Priority 2012-09-07 • Filed 2019-11-12 • Published 2020-03-12

Systems and methods for generating reactive oxygen species formulations useful in various oxidation applications. Exemplary formulations include singlet oxygen or superoxide and can also contain hydroxyl radicals or hydroperoxy radicals, among others. Formulations can contain other reactive ...

Electrochemical reactor and process



WO US • US10577698B2 • Wayne E. Buschmann • **Clean Chemistry**, Inc.

Priority 2011-05-31 • Filed 2016-10-25 • Granted 2020-03-03 • Published 2020-03-03

The electrochemical reactors disclosed herein provide novel oxidation and reduction chemistries and employ increased mass transport rates of materials to and from the surfaces of electrodes therein.

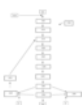
System and method for generation of point of use reactive oxygen species

WO EP US CN AU CA • US10501346B2 • Wayne BUSCHMANN • **Clean Chemistry**, Inc.

Priority 2012-09-07 • Filed 2016-11-04 • Granted 2019-12-10 • Published 2019-12-10

Systems and methods for generating reactive oxygen species formulations useful in various oxidation applications. Exemplary formulations include singlet oxygen or superoxide and can also contain hydroxyl radicals or hydroperoxy radicals, among others. Formulations can contain other reactive ...

Methods of pulp fiber treatment

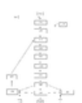


~~WO~~ EP US ~~BR~~ CA FI • EP3386948B1 • Wayne E. Buschmann • **Clean Chemistry**, Inc.

Priority 2015-12-07 • Filed 2016-12-07 • Granted 2025-03-05 • Published 2025-03-05

A method of treating pulp to reduce use of halogen-containing oxidants, the method including a delignification process to delignify the pulp, the delignification process comprising: adding a peracetate oxidant solution to a pulp at a primary addition point and contacting the pulp with the ...

Methods of pulp fiber treatment

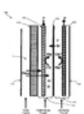


~~WO~~ EP US ~~BR~~ CA FI • US20190031545A1 • Wayne E. Buschmann • **Clean Chemistry**, Inc.

Priority 2015-12-07 • Filed 2018-10-01 • Published 2019-01-31

What is claimed is: 1 . A method of treating pulp, comprising: contacting pulp with a parent oxidant solution; mixing the pulp with the parent oxidant solution; and generating a reactive oxygen species. 2 . The method of claim 1 , wherein the parent oxidant solution is a peracetate oxidant solution.

Electrochemical reactor and process



WO US • US20200165734A1 • Wayne E. Buschmann • **Clean Chemistry**, Inc.

Priority 2011-05-31 • Filed 2020-01-29 • Published 2020-05-28

The electrochemical reactors disclosed herein provide novel oxidation and reduction chemistries and employ in-creased mass transport rates of materials to and from the surfaces of electrodes

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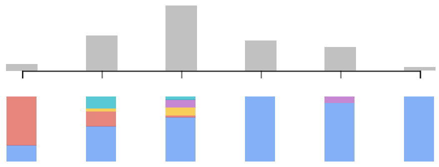

Relative count of top 5 values

Assignees	Inventors	CPCs

Clean Chemistry, Inc.	71.4%
Clean Chemistry, Llc	9.1%

Clean Chemistry	6.1%
Wayne E. Buschmann	6.1%
Wayne Buschmann	6.1%

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