

**ELECTROCHEMICAL SYSTEMS WITH MAGNETIC ELECTRODES AND/OR ADDITIONAL
EXCITATIONS AND METHODS RELATING THERETO**

CROSS-REFERENCE TO RELATED APPLICATIONS

5 [0001] This application claims priority to and benefit of United States Provisional Patent Application Serial Number 63/481,160 filed on January 23, 2023, and United States Provisional Patent Application Serial Number 63/620,972 filed on August 22, 2023, each of which are hereby incorporated by reference.

TECHNICAL FIELD

10 [0002] The present disclosure generally relates to electrochemical systems and methods for enhanced production of one or more chemicals and/or effects, in particular involving excitations provided to electrochemical cells.

BACKGROUND

15 [0003] Electrochemical systems are used in a variety of different technologies and applications. Electrochemical systems, and more particularly electrochemical cells, provide for the conversion of internal stored chemical energy to external electrical voltages and currents, or conversely, the conversion of applied electrical energy to internal or external stored chemical energy. These electrochemical systems contain positive and negative electrodes (cathode and anode, respectively).

20 [0004] Conventional electrochemical systems follow a standard design. These systems typically involve electrodes that are composed solely of electrical conductors, and often utilize direct unidirectional currents of electricity with slow variations as a function of time. As a result, the design of conventional electrochemical systems can limit the types of electrochemical reactions possible as well as the efficiency of current reactions.

25 [0005] A need therefore exists for improved systems and methods for electrochemical production of chemicals and/or effects, and in particular to make electrochemical systems and reactions more efficient, and to enable new electrochemical reactions.

SUMMARY

30 [0006] The present disclosure provides systems for enhanced production of one or more chemicals and/or effects, methods for same, and kits for assembling, modifying or retrofitting an electrochemical system to incorporate application of excitations. The present disclosure recognizes that there are problems in the current systems and methodologies for effective electrochemical production of chemicals and/or effects, and provides improved systems and methods.

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the specific procedures and protocols that must be followed when recording transactions. It details the steps from initial entry to final review and approval, ensuring that all data is entered correctly and consistently.

3. The third part of the document addresses the role of technology in record-keeping. It discusses the benefits of using digital systems for data storage and retrieval, as well as the necessary security measures to protect sensitive information from unauthorized access.

4. The final part of the document provides a summary of the key points discussed and offers recommendations for ongoing improvement. It encourages regular audits and updates to the record-keeping process to ensure it remains effective and compliant with all relevant regulations.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is essential for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the specific procedures and protocols that must be followed when recording transactions. It details the steps involved in data collection, verification, and reporting.

3. The third part of the document addresses the role of technology in streamlining the recording process. It discusses the benefits of using specialized software and digital tools to improve efficiency and accuracy.

4. The fourth part of the document focuses on the importance of training and education for staff members involved in the recording process. It highlights the need for ongoing professional development to stay current in the field.

5. The final part of the document provides a summary of the key points discussed and offers recommendations for future improvements. It encourages a commitment to excellence and continuous learning in all aspects of the organization's work.

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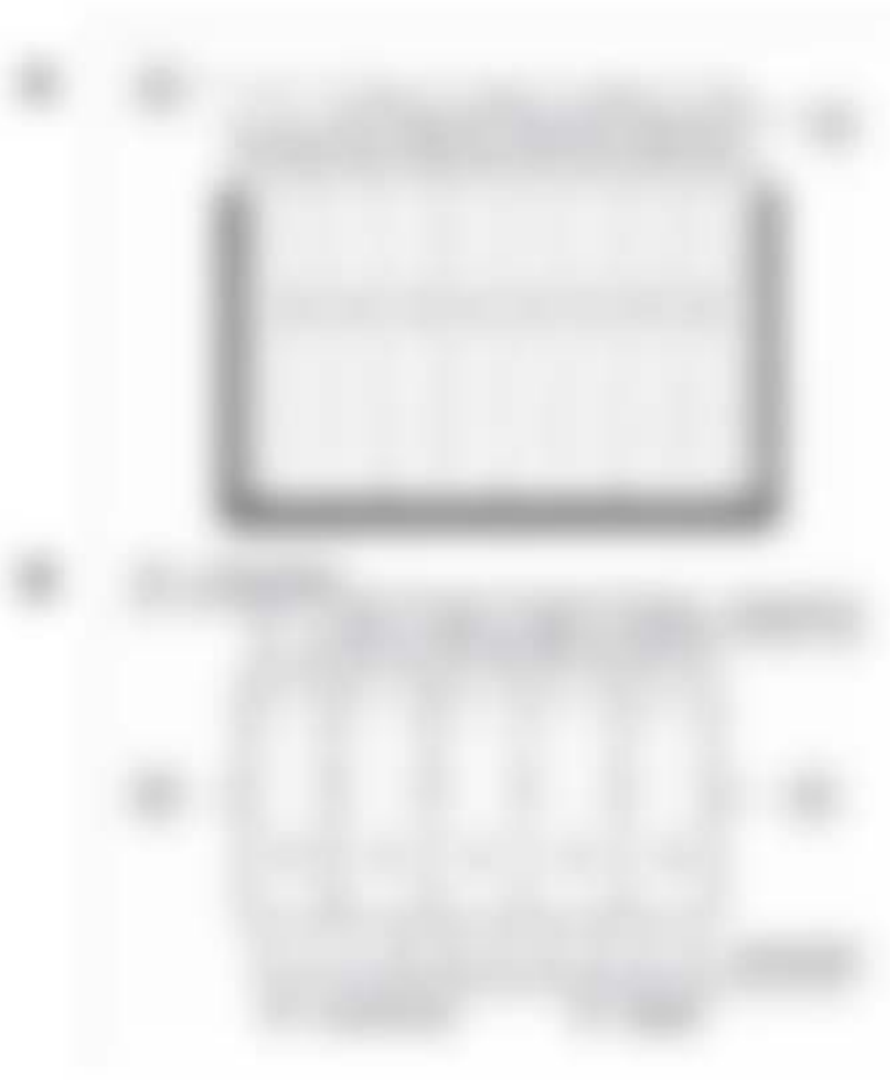
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1. **Introduction**
The first part of the document provides a general overview of the project's objectives and scope. It outlines the key goals and the overall structure of the report, setting the context for the subsequent sections.

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2. **Methodology**
This section details the research methods and data collection techniques used throughout the project. It describes the experimental design, the tools and software employed, and the procedures for data analysis.

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3. **Results and Discussion**
The core of the document, this section presents the findings of the study. It includes a detailed analysis of the data, supported by tables, graphs, and charts. The discussion interprets these results in the context of the research objectives and existing literature.

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