

Title (en)
SYSTEMS AND METHODS FOR ACOUSTICALLY ASSESSING ELECTROLYTE WETTING AND DISTRIBUTION IN A SECONDARY BATTERY

Title (de)
SYSTEME UND VERFAHREN ZUR AKUSTISCHEN BEWERTUNG DER BENETZUNG UND VERTEILUNG VON ELEKTROLYTEN IN EINER SEKUNDÄRBATTERIE

Title (fr)
SYSTÈMES ET PROCÉDÉS D'ÉVALUATION ACOUSTIQUE DU MOUILLAGE ET DE LA DISTRIBUTION D'ÉLECTROLYTE DANS UNE BATTERIE SECONDAIRE

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Application
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Abstract (en)
[origin: CN113906291A] Systems and techniques for measuring process characteristics including electrolyte distribution in a battery cell. A non-destructive method for analyzing a battery cell includes determining acoustic features at two or more locations of the battery cell, the acoustic features based on one or more of acoustic signals travelling through at least one or more portions of the battery cell during one or more points in time or responses to the acoustic signals obtained during one or more points in time, wherein the one or more points in time correspond to one or more stages of electrolyte distribution in the battery cell. One or more characteristics of the battery cell are determined based on the acoustic features at the two or more locations of the battery cell.

IPC 8 full level
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Citation (search report)
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