Apply electric field to fuel storage composition

React fuel storage composition with reagent

Monitor a system parameter

Adjust electric field to control fuel release

Adjust reaction element to control fuel release

FIGURE 1

Abstract: A method of controlled fuel release from a fuel storage composition including applying an electric field to a section of the fuel storage composition, supplying a reagent to the section of the fuel storage composition, measuring a system parameter, and adjusting an electric field parameter based on the system parameter measurement.
Designated States (unless otherwise indicated, for every

Published: 

Date of publication of the international search report: 18 June 2015
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01M 8/06 (2013.01)
USPC - 205/335

According to International Patent Classification (IPC) or to both national classification and IPC.

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - B01J 19/00, 19/08, 19/12, C10G 5/00, 15/08, 32/02; C25B 3/00, 15/02; H01M 8/00, 8/06, 16/00 (2013.01)

USPC - 205/50, 335, 337, 343, 352, 412, 413; 429/14, 120, 400, 408, 410, 416, 418, 419, 422, 428, 430, 443; 554/30, 124, 169, 174

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - C10G 15/08; H01M 8/0202, 8/0234, 8/04007, 8/04067, 8/04298, 8/06, 8/0606 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent, Orbit.com, Google Patents, Public AppFT and PaFT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 2005/0120621 A1 (LAWSON et al) 09 June 2005 (09.06.2005) entire document</td>
<td>1-6, 8, 9, 25</td>
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</tbody>
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Further documents are listed in the continuation of Box C. [1]

Special categories of cited documents:

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[2] document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

[3] document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

[4] document member of the same patent family

Date of the actual completion of the international search 14 April 2013

Date of mailing of the international search report 02 MAY 2013

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