A hybrid propulsion system includes a prime mover system, a driving system, an energy storage system, a regenerative braking system, and a control system usable to control operation of the prime mover, driving, energy storage, and regenerative braking systems. The control system receives inputs of geographic location, speed, and terrain features, and manages energy discharge and charge operations.
## A CLASSIFICATION OF SUBJECT MATTER

**IPC(8) - B61 C 11/00 (2008 04)**

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) - B61C 11/00, F02D 25/00 (2008 04)**

USPC - 105/26 05, 34 2, 48, 49, 73, 290/40C

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

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

PatBase

## 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>
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<td>1-1, 1, 13, 18-20, 22</td>
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<td>Y</td>
<td>US 5,898,282 A (DROZDZ et al) 27 April 1999 (27 04 1999) entire document</td>
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<td>US 6,144,901 A (NICKLES et al) 07 November 2000 (07 11 2000) entire document</td>
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## D

Date of the actual completion of the international search

05 May 2008

Date of mailing of the international search report

01 July 2008

Authorized officer

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