A system for use in transport vehicles includes an auxiliary power unit (APU) for a transport vehicle, the APU having a locator unit for use in a tracking and monitoring system (5) for communicating over a communication network. The locator unit can be attached to or installed within the APU or any other form of auxiliary provided power. Furthermore, the locator unit can have multiple sensor inputs that can read and store sensor data, including location information and emissions output. Then, the locator unit can transmit that information to a remote monitoring station or can use that information to calculate emission reduction data information for conversion to one or more emission reduction credits.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

* IPC(8) - G01 M 17/00 (201 1.01 )
* USPC - 701/29

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)

USPC: 701/29

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

USPC: 701/1, 28, 29, 32, 36; 702/1; 455/3.01, 403

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

PubWEST/USPT,PGPB,JPAB,JPAB); Google

Search Terms: calculate, determine, credit, emission, auxiliary, power, transport, vehicle, truck, determine, reduce, time

**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 2009/0240388 A1 (Harris) 24 September 2009 (24.09.2009), para [0003], [0010], [0019]-[0023], [0040]-[0042]</td>
<td>1-6, 8-13, 15-17, 19, 20</td>
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<tr>
<td>Y</td>
<td>US 2006/0154671 A1 (Delk) 26 June 2008 (26.06.2008), para [0018], [0031], [0052]</td>
<td>7, 14, 18</td>
</tr>
<tr>
<td>A</td>
<td>US 2002/0103585 A1 (Biess et al.) 01 August 2002 (01.08.2002), entire document</td>
<td>1-20</td>
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</tbody>
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* Special categories of cited documents:
  "A" document defining the general state of the art which is not considered to be of particular relevance
  "E" earlier application or patent but published on or after the international filing date
  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
  "O" document referring to an oral disclosure, use, exhibition or other means
  "P" document published prior to the international filing date but later than the priority date claimed
  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
  "X" 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
  "Y" 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
  "&" document member of the same patent family

Date of the actual completion of the international search

14 November 2011 (14.11.2011)

Date of mailing of the international search report

05.12.2011

Authorized officer: Lee W. Young

PCT/US2010/058634 05.12.2011

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