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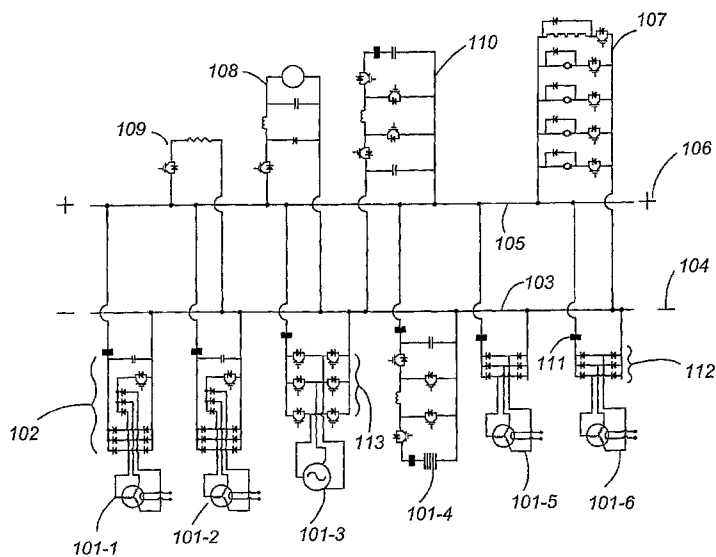
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[Continued on next page]

(54) Title: MULTIPLE PRIME POWER SOURCE LOCOMOTIVE CONTROL



(57) Abstract: The present invention is directed to a control strategy for operating a plurality of prime power sources (101-1 to 101-3) during propulsion, idling and braking and is applicable to large systems such as trucks, ships, cranes and locomotives utilizing diesel engines, gas turbine engines, other types of internal combustion engines, fuel cells or combinations of these that require substantial power and low emissions utilizing multiple power plant combinations. The present invention is directed at a general control strategy for a multi-engine systems (101-1, 101-2) where the power systems need not be of the same type or power rating and may even use different fuels. The invention is based on a common DC bus (103) electrical architecture so that prime power sources need not be synchronized.

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**B. FIELDS SEARCHED**

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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 10191505 A (HITACHI LTD) 21 July 1998 (21.07.1998).	1-36
A	WO 03/072388 A1 (DONNELLY et al.) 04 September 2003 (04.09.2003)	1-36
A	US 6,691,758 B2 (KUMAR) 15 July 2003 (15.07.2003)	1-36
A	US 2006/0091832 A1 (DONNELLY et al.) 04 May 2006 (04.05.2006)	1-36
A	US 2003/0104899 A1 (KELLER) 05 June 2003 (05.06.2003)	1-36
A	US 2004/0216636 A1 (EMORI et al.) 04 November 2004 (04.11.2004)	1-36
A	US 2006/0266256 A1 (DONNELLY et al.) 30 November 2006 (30.11.2006)	1-36

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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/0061307 A1 (DONNELLY) 23 March 2006 (23.03.2006)	1-36