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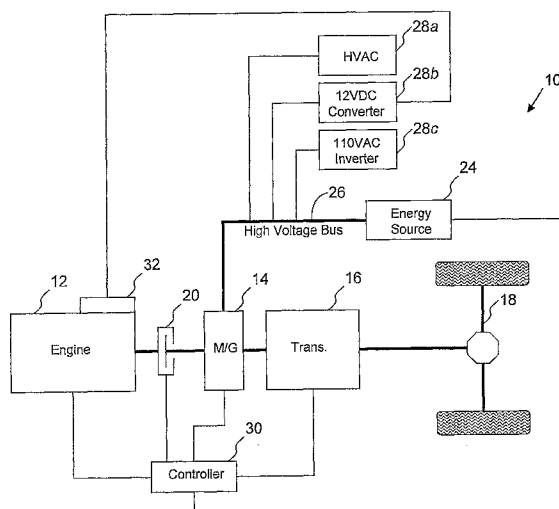
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(54) Title: HYBRID ELECTRIC POWERTRAIN WITH ANTI-IDLE FUNTION



(57) Abstract: A method is provided for reducing engine idling time in a hybrid vehicle that includes a vehicle accessory and a hybrid powertrain having an engine, a generator operatively coupled to the engine, and an energy source. The method includes selectively powering the vehicle accessory using the energy source while the engine is not running, monitoring the energy source state of charge, selectively starting the engine when the energy source state of charge is less than or equal to a predetermined minimum state of charge, operating the engine driven generator to recharge the energy source to a predetermined maximum state of charge, and turning off the engine when the energy source state of charge is greater than or equal to the predetermined maximum state of charge. A hybrid electric vehicle power delivery system is also provided.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

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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.
X	US 6 484 831 B1 (GAUTHIER GREG EDWARD [US]) 26 November 2002 (2002-11-26) column 2, lines 1-50 figure 1	1-3, 5-13, 15-18
X	US 5 285 862 A (FURUTANI MASAYUKI [JP] ET AL) 15 February 1994 (1994-02-15) column 1, lines 1-60 figures 1,2	1,4, 6-10,12, 14,16-18
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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