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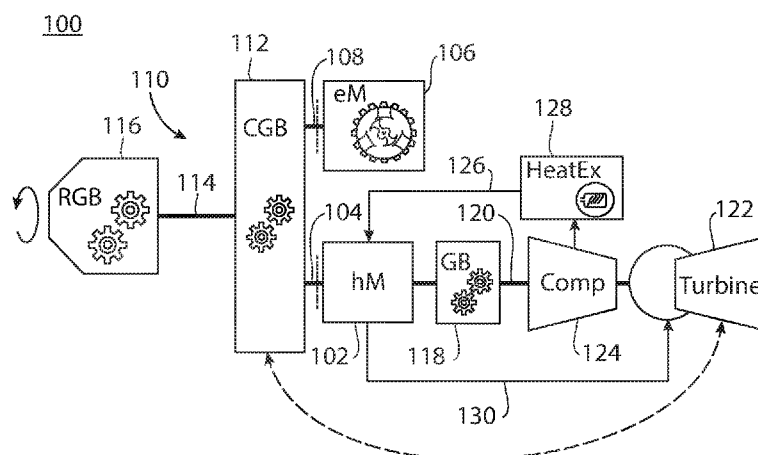


Fig. 1

(57) **Abstract:** A hybrid propulsion system includes a heat engine configured to drive a heat engine shaft. An electric motor is configured to drive an electric motor shaft. A transmission system includes at least one gearbox. The transmission system is configured to receive rotational input power from each of the heat engine shaft and the electric motor shaft and to convert the rotation input power to output power.

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INTERNATIONAL SEARCH REPORT

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PCT/US2019/064999**A. CLASSIFICATION OF SUBJECT MATTER****B64D 27/02(2006.01)i, B64D 35/08(2006.01)i, F16H 57/02(2006.01)i**

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)

B64D 27/02; B60K 6/48; B64D 27/10; B64D 27/24; B64D 31/06; B64D 35/02; B64D 35/08; F02D 29/02; F04D 27/00; F16H 57/02

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & keywords: hybrid propulsion system, heat engine, electric motor, transmission system, gearbox, shaft, turbine, compressor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 2962885 A1 (AXTER AEROSPACE SL) 06 January 2016 claims 5-7 and figure 2	1
Y		17
A		2-16
Y	US 2015-0285165 A1 (EADS DEUTSCHLAND GMBH) 08 October 2015 paragraphs [0084]-[0088] and figure 4	17
X	US 2017-0225794 A1 (SIKORSKY AIRCRAFT CORPORATION) 10 August 2017 paragraphs [0020]-[0023] and figure 3	1
X	US 2018-0009542 A1 (KUSTER, MARTIN) 11 January 2018 paragraphs [0027]-[0029] and figure 2	1
A	US 2017-0284408 A1 (RICORDEAU et al.) 05 October 2017 paragraphs [0055]-[0057] and figure 3	1-17



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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