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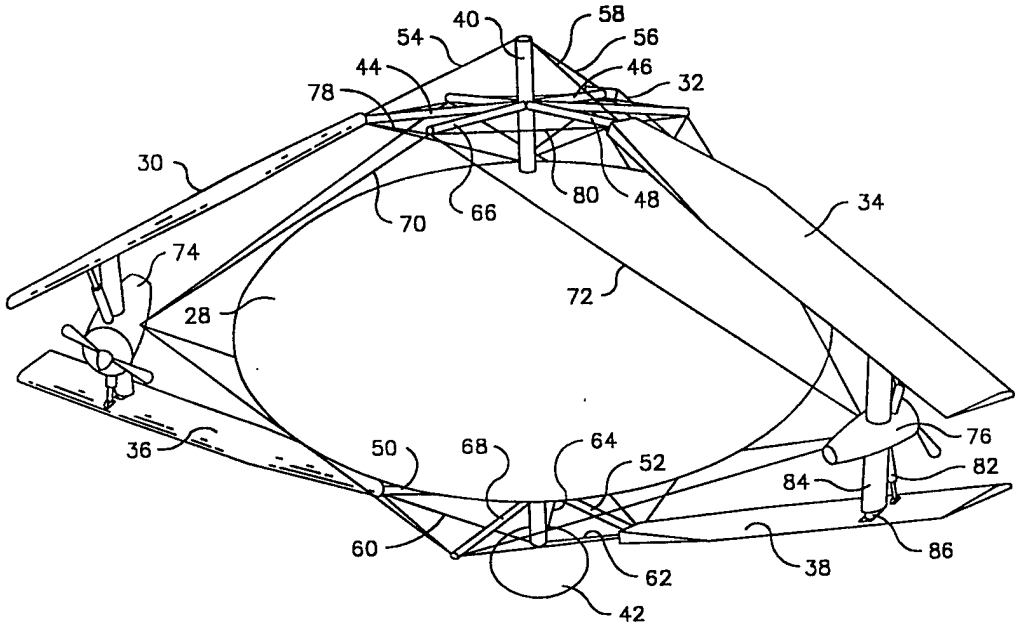
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(54) Title: HOVERING AIRCRAFT



(57) Abstract

In a novel hovering aircraft, an airfoil blade structure rotatable about a vertical axis comprises a set of upper blades (30, 32, 34) and a set of lower blades (36, 38), all having variable lift, the upper blades converging toward the lower blades from root to tip. Struts (84), located inboard of the blade tips, keep the tips of the upper and lower blades separate from each other to reduce interference effects, and also supports motors (74, 76) and propellers.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/23921

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :B64B 01/20, 01/34
US CL : 244/5, 25, 26

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)

U.S. : 244/5, 6, 11, 12.3, 12.5, 28, 30, 25, 26

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

NONE

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

NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,482,110 A (CRIMMINS, JR.) 13 November 1984 (13.11.84), see Figure 2.	1 and 4
A	US 2,717,131 A (BARRETT) 06 September 1955 (06.09.55), see Figure 1.	NONE
A	US 2,389,798 A (MAIN) 27 November 1945 (27.11.45), see Figure 3.	NONE
A	US 5,082,205 A (CAUFMAN) 21 January 1992 (21.01.92), see Figure 3.	NONE
A	US 3,976,265 A (DOOLITTLE) 24 August 1976 (24.08.76), see Figure 3.	NONE

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