

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

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International Application No.	PCT/US 09/02910
International Filing Date	11 MAY 2009 (11.05.09)
Name of receiving Office and "PCT International Application"	PCT INTERNATIONAL APPLICATION RO/US
Applicant's or agent's file reference (if desired) (12 characters maximum)	

Box No. I	TITLE OF INVENTION	
	HEAT ENGINE / HEAT PUMP USING CENTRIFUGAL FANS	
Box No. II	APPLICANT	<input checked="" type="checkbox"/> This person is also inventor
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		Telephone No.
GRAF, RONALD E. 5939 W. FRIENDLY AVE. #44-H GREENSBORO, NORTH CAROLINA 27410 UNITED STATES OF AMERICA U.S.A.		336-8559553
		Facsimile No.
		Applicant's registration No. with the Office
<input checked="" type="checkbox"/>	E-mail authorization: Marking this check-box authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, if the Office or Authority so wishes, advance copies of notifications in respect of this international application. (See also the Notes to Boxes Nos. II and III.)	E-mail address
		RONALD.GRAF@YAHOO.COM
State (that is, country) of nationality:		State (that is, country) of residence:
USA		USA
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box		
Box No. III	FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) NONE	
<input type="checkbox"/>	Further applicants and/or (further) inventors are indicated on a continuation sheet.	
Box No. IV	AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: <input type="checkbox"/> agent <input checked="" type="checkbox"/> common representative		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		Telephone No.
GRAF, RONALD E. 5939 W. FRIENDLY AVE. #44-H GREENSBORO, NORTH CAROLINA 27410 UNITED STATES OF AMERICA U.S.A.		336-8559553
		Facsimile No.
		Agent's registration No. with the Office
<input checked="" type="checkbox"/>	E-mail authorization: Marking this check-box authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, if the Office or Authority so wishes, advance copies of notifications in respect of this international application. (See also the Notes to Boxes Nos. II and III.)	E-mail address
		RONALD.GRAF@YAHOO.COM
<input type="checkbox"/>	Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	

Box No. V DESIGNATIONS

The filing of this request constitutes under Rule 4.9(a) the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. However,

DE Germany is not designated for any kind of national protection

JP Japan is not designated for any kind of national protection

KR Republic of Korea is not designated for any kind of national protection

RU Russian Federation is not designated for any kind of national protection

(The check-boxes above may only be used to exclude (irrevocably) the designations concerned if, at the time of filing or subsequently under Rule 26bis.1, the international application contains in Box No. VI a priority claim to an earlier national application filed in the particular State concerned, in order to avoid the ceasing of the effect, under the national law, of this earlier national application.)

Box No. VI PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application: regional Office	international application: receiving Office
item (1) 07 NOVEMBER 2008 (07-11-2008)	12 291,148	U.S.A USPTO		
item (2) 15 MAY 2008 (15-05-2008)	12 152,437	U.S.A USPTO		
item (3)				
item (4)				

Further priority claims are indicated in the Supplemental Box.

Transmit certified copy: the receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

all items item (1) item (2) item (3) item (4) other, see Supplemental Box

Restore the right of priority: the receiving Office is requested to restore the right of priority for the earlier application(s) identified above or in the Supplemental Box as item(s) (_____). (See also the Notes to Box No. VI; further information must be provided to support a request to restore the right of priority.)

Incorporation by reference: where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if more than one International Searching Authority is competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA/ USPTO = UNITED STATES PATENT AND TRADEMARK OFFICE

Box No. IX CHECK LIST; LANGUAGE OF FILING		
<p>This international application contains:</p> <p>(a) on paper, the following number of sheets:</p> <p>request (including declaration and supplemental sheets) : 3</p> <p>description (excluding sequence listing and/or tables related thereto) : 31</p> <p>claims : 5</p> <p>abstract : 1</p> <p>drawings : 2</p> <hr/> <p>Sub-total number of sheets : 42 0</p> <p>sequence listing : :</p> <p>tables related thereto : :</p> <p><i>(for both, actual number of sheets if filed on paper, whether or not also filed in electronic form; see (c) below)</i></p> <hr/> <p>Total number of sheets : 42 0</p> <p>(b) <input type="checkbox"/> only in electronic form (Section 801(a)(i))</p> <p>(i) <input type="checkbox"/> sequence listing</p> <p>(ii) <input type="checkbox"/> tables related thereto</p> <p>(c) <input type="checkbox"/> also in electronic form (Section 801(a)(ii))</p> <p>(i) <input type="checkbox"/> sequence listing</p> <p>(ii) <input type="checkbox"/> tables related thereto</p> <p>Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the</p> <p><input type="checkbox"/> sequence listing:</p> <p><input type="checkbox"/> tables related thereto:</p> <p><i>(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)</i></p>	<p>This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):</p> <p>1. <input checked="" type="checkbox"/> fee calculation sheet : 1</p> <p>2. <input type="checkbox"/> original separate power of attorney : :</p> <p>3. <input type="checkbox"/> original general power of attorney : :</p> <p>4. <input type="checkbox"/> copy of general power of attorney; reference number, if any:</p> <p>5. <input type="checkbox"/> statement explaining lack of signature : :</p> <p>6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s):</p> <p>7. <input type="checkbox"/> translation of international application into (language):</p> <p>8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material : :</p> <p>9. <input type="checkbox"/> sequence listing in electronic form (indicate type and number of carriers)</p> <p>(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application) : :</p> <p>(ii) <input type="checkbox"/> (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter : :</p> <p>(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listing mentioned in left column : :</p> <p>10. <input type="checkbox"/> tables in electronic form related to sequence listing (indicate type and number of carriers)</p> <p>(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application) : :</p> <p>(ii) <input type="checkbox"/> (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater) : :</p> <p>(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column : :</p> <p>11. <input type="checkbox"/> copy of results of earlier search(es) (Rule 12bis.1(a)) : :</p> <p>12. <input type="checkbox"/> other (specify):</p>	<p>Number of items</p>
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: ENGLISH	

Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Ronald E. Graf RONALD E. GRAF SOLE INVENTOR

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1. Date of actual receipt of the purported international application: (11.05.09) IAP16 Rec'd PCT/PTO 11 MAY 2009	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA / KR	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid

For International Bureau use only

Date of receipt of the record copy by the International Bureau: