

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To: STEVEN D. BOYD  
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INVITATION TO PAY ADDITIONAL FEES  
 AND, WHERE APPLICABLE, PROTEST FEE

(PCT Article 17(3)(a) and Rules 40.1 and 40.2(e))

	Date of mailing (day/month/year)	JUNE 11, 2009
Applicant's or agent's file reference IR3949PCT	<b>PAYMENT DUE</b>	within <b>ONE MONTH</b> from the above date of mailing
International application No. PCT/US 09/43538	International filing date (day/month/year)	12 May 2009 (12.05.2009)
Applicant ARKEMA INC.		

1. This International Searching Authority

(i) considers that there are 2 (number of) inventions claimed in the international application covered by the claims indicated below/on an extra sheet:  
 -----See Below-----

(ii) therefore considers that **the international application does not comply with the requirement of unity of invention** (Rules 13.1, 13.2 and 13.3) for the reasons indicated below/on an extra sheet:  
 -----See Below-----

(iii)  has carried out a partial international search (see Annex)  will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:  
 1-8, 15-28

(iv) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid.

2. Consequently, the applicant is hereby **invited to pay**, within the time limit indicated above, additional fees in the amount indicated below:

\$2080.00	x	1	=	\$2080.00
Fee per additional invention		number of additional inventions		total amount of additional fees/currency

3. The applicant is informed that, according to Rule 40.2(c), **the payment of any additional fees may be made under protest**, that is, a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fees is excessive, where applicable, subject to the payment of a protest fee.

Where the applicant pays additional fees under protest, the applicant is hereby invited, within the time limit indicated above, to pay a protest fee (Rule 40.2(e)) in the amount of \_\_\_\_\_ (amount/currency)

Where the applicant has not, within the time limit indicated above, paid the required protest fee, the protest will be considered not to have been made and the International Searching Authority will so declare.

4.  Claim(s) Nos. \_\_\_\_\_ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: <p style="text-align: center;">Lee W. Young</p> PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774
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International application No.

PCT/US 09/43538

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I: claims 1-8, 15-28 directed to a solvent/cleaner and the use of a solvent/cleaner comprising about 70% or more of the trans stereoisomer of hydrochlorofluouroolefin 1233zd.

Group II: claims 9-14, 29-34 directed to a heat transfer fluid and the use of a heat transfer fluid comprising about 70% or more of the trans stereoisomer of hydrochlorofluouroolefin 1233zd.

The inventions listed as Groups I-II do not relate to a single general inventive concept under PCT Rule 13.1 because under PCT Rule 13.2 they lack the same or corresponding technical features for the following reasons:

Group II does not include the solvent/cleaner of Group I.

Group I does not include the heat transfer fluid of Group II.

The common feature of about 70% or more of the trans stereoisomer of hydrochlorofluouroolefin 1233zd of Groups I and II are taught by US 2005/0033097 A1 to Tung et al. (para [0005]); therefore the common feature is not an improvement over the prior art.

None of these technical features are common to the other groups, nor do they correspond to a special technical feature in the other groups. Therefore, unity of invention is lacking.