

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

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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) 24 AUG 2015	
Applicant's or agent's file reference T0709.70059	PAYMENT DUE within ONE MONTH from the above date of mailing
International application No. PCT/US 15/31248	International filing date (day/month/year) 15 May 2015 (15.05.2015)
Applicant T-INK, INC.	

- This International Searching Authority
 - considers that there are 2 (number of) inventions claimed in the international application covered by the claims indicated below/on an extra sheet:
 -- see extra sheet
 - 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 extra sheet
 - 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. 1-3, 46, 53
 - 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.
- Consequently, the applicant is hereby **invited to pay**, within the time limit indicated above, additional fees in the amount indicated below:

$$\frac{\$2,080.00}{\text{Fee per additional invention}} \times \frac{1}{\text{number of additional inventions}} = \frac{\$2,080.00}{\text{total amount of additional fees/currency}} \quad (\text{See Item 2 of annex})$$
- 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.
- Claim(s) Nos. 4-32, 34-45, 47-52, 54-67 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. 571-273-8300	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300
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International application No.

PCT/US 15/31248

Item 2 (continued). For International Applications filed on or after 01 January 2014, Applicant is reminded that the search fee per additional invention indicated in item 2 is the undiscounted fee per additional invention. An Applicant may pay the search fee per additional invention fee reduced by 50% (small entity assertion) or 75% (micro entity certification), as appropriate. See 37 CFR 1.27 and 1.29.

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 1-3, 46, 53, drawn to a system for extracting hand distance and/or position above a surface

Group II: Claims 33, drawn to method comprising transforming one path function of a hand through at least one dimensional space.

The inventions listed as Groups I through 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 special technical features for the following reasons:

Special Technical Features

Group I includes the special technical feature of circuitry configured to produce measurable change of a parameter as a function of capacitance of said at least one capacitive plate, not included in the other groups.

Group II includes the special technical feature of transforming one path function into at least one different path function, not included in the other groups.

Common Technical Features:

The only technical feature shared by Groups I and II that would otherwise unify the groups, determining a hand position in space. However, this shared technical feature does not represent a contribution over prior art, because the shared technical feature is disclosed by US 6,288,707 B1 (Philipp).

Philipp discloses determining a hand position in space (abstract; claim 1, measuring a position of an object adjacent a homogeneous resistive sensing layer).

As the technical feature was known in the art at the time of the invention, this cannot be considered a special technical feature that would otherwise unify the groups.

Therefore, Groups I-II lack unity under PCT Rule 13.

Note: Claims 4-32, 34-45, 47-52 and 54-67 are determined to be unsearchable because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a) and are, therefore, not included in any claim group.