506246312 09/10/2020

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| Fang Fang | 09/09/2020 |
| Zheng-Pang Huang | 09/09/2020 |
| Chien-Hsien Yu | 09/10/2020 |
| Chih-Min Chen | 09/09/2020 |
| Shan-Yu Wu | 09/09/2020 |

RECEIVING PARTY DATA

| Name: | me: TPK TOUCH SOLUTIONS INC. | |
|--|------------------------------|--|
| Street Address: 6F, No.13-18, Sec. 6, Min Quan E. Rd., Neihu Dist. | | |
| City: Taipei City | | |
| State/Country: | TAIWAN | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 16287452 | |

CORRESPONDENCE DATA

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| NAME OF SUBMITTER: | KATE YEH |
| SIGNATURE: | /KATE YEH/ |
| DATE SIGNED: | 09/10/2020 |

Total Attachments: 3 source=3954479#page1.tif source=3954479#page2.tif source=3954479#page3.tif

PATENT 506246312 REEL: 053740 FRAME: 0138

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.

ASSIGNOR(S) (Inventors):

| Name: | Chao-Sung Li | Nationality: | TW |
|-------|------------------|--------------|---|
| Name: | Ho-Hsun Chi | Nationality: | TW |
| Name: | Fang Fang | Nationality: | CN Fang-Fang 2020-9.9 CN Theng-Pang Huand 2020-9.9 |
| Name: | Zheng-Pang Huang | Nationality: | CN Theng-Pany Huand 2020-9-9 |
| Name: | Chien-Hsien Yu | Nationality: | TW CH. yu. |
| Name: | Chih-Min Chen | Nationality: | TW Chih-Min (|
| Name: | Shan-Yu Wu | Nationality: | TW Shan-yn W 2020.9.9 |
| | | | |

Hereby sells, assigns and transfers to

ASSIGNEE(S):

Name: TPK TOUCH SOLUTIONS INC.

Address: 6F, No.13-18, Sec. 6, Min Quan E. Rd., Neihu Dist., Taipei City 114, Taiwan, R.O.C

Assignment, Page 1 of 3

NPO#TPK-P0043-USA:0 CUST#A170020-TPKT-USI F#NPO-P0002E-US1 DSB0-109U032029 and the successors and assignees of the ASSIGNEE the entire right, title, and interest in and to any and all improvements which are disclosed in the invention entitled:

"TOUCH PANEL AND DIRECT PATTERNING METHOD THEREOF"

| Whi | ch is fou | nd in : | | |
|-------|-----------|------------------------------|--------------------|--|
| (a) _ | | U.S. patent application exec | cuted on even date | |
| (b) _ | | _U.S. patent application exe | | |
| (c) _ | × | _U.S. application serial no | 16/287,452 | |
| (d) _ | | patent no. | issued | |
| (e) | | International application no | | |

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this (Date of signing). (請發明人務必簽署上列日期。) Signature of INVENTOR (Type name of inventor) Chao-Sung Li Ho-Hsun Chi Fang Fang **Zheng-Pang Huang** Chien-Hsien Yu Chih-Min Chen Shan-Yu Wu