

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT3329955

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
mitsubishi electric corporation	04/27/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	TCL COMMUNICATION TECHNOLOGY HOLDINGS LIMITED
<b>Street Address:</b>	1910-12A, 19TH FLOOR, TOWER 3
<b>Internal Address:</b>	CHINA HONG KONG CITY, 33 CANTON ROAD, TSIMSHATSUI
<b>City:</b>	KOWLOON
<b>State/Country:</b>	HONG KONG

**PROPERTY NUMBERS Total: 31**

Property Type	Number
Application Number:	12664113
Application Number:	14683904
Patent Number:	7885235
Application Number:	14298168
Patent Number:	8139557
Patent Number:	8311135
Patent Number:	8175110
Patent Number:	8233940
Patent Number:	7336631
Patent Number:	7397824
Application Number:	13141858
Patent Number:	8811252
Application Number:	14339880
Patent Number:	7929467
Patent Number:	8406158
Application Number:	12602781
Patent Number:	7227834
Patent Number:	6781550
Patent Number:	7664523
Patent Number:	7075997

PATENT

Property Type	Number
Patent Number:	7415080
Patent Number:	7706488
Patent Number:	7636561
Patent Number:	7643813
Patent Number:	5805581
Patent Number:	6009087
Patent Number:	6160801
Patent Number:	6590878
Patent Number:	6219347
Patent Number:	6526036
Patent Number:	6958985

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<b>ATTORNEY DOCKET NUMBER:</b>	064416-0000
<b>NAME OF SUBMITTER:</b>	MARY JANE BOSWELL
<b>SIGNATURE:</b>	/Mary Jane Boswell/
<b>DATE SIGNED:</b>	04/28/2015

**Total Attachments: 2**  
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source=Assignment#page2.tif

**PATENT ASSIGNMENT (U.S.A.)**

This Patent Assignment Agreement ("Assignment Agreement") is made effective as of April 21, 2015 (the "Effective Date") by and between **Mitsubishi Electric Corporation**, a corporation organized and existing under the laws of Japan and having its principal place of business at Tokyo Building, 2-7-3 Marunouchi Chiyoda, Tokyo, Japan (the "Assignor") and **TCL Communication Technology Holdings Limited**, a company incorporated under the laws of Hong Kong, having its registered office at Rooms 1910-12A, 19<sup>th</sup> Floor, Tower 3, China Hong Kong City, 33 Canton Road, Tsimshatsui, Kowloon, Hong Kong ("Assignee").

WHEREAS, Assignee is desirous of securing the Assignor's entire right, title, and interest in and to the U.S. patents/applications ("Assigned U.S. Patents/Applications") shown in the attached Appendix.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby assign to Assignee, all right, title and interest in and to the Assigned U.S. Patents/Applications, and the inventions covered thereby and the related technology throughout the world, and in and to the U.S. Letters Patents to be issued upon this application worldwide, divisions, reissues, continuations, continuations-in-part, renewals and extensions of such Patent Application, and to (a) the technology that is the subject thereof, (b) the U.S. Letters Patent granted and that may be granted therefor and any divisions, reissues, continuations, continuations-in-part, renewals and extensions of such Letters Patent, together with all rights and privileges granted and secured thereby, including the right to sue for past infringement (together, the "Rights"), and (c) all applications for Letters Patent which may hereafter be filed for the inventions in any foreign country and all Letters Patent granted and which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, the Rights to be held and enjoyed by Assignee for its own use and benefit and for the use and benefit of its successors, assigns or other legal representatives to the end of the term for which such Letters Patent are granted or reissued as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

Signed April 27, 2015

Signed April 28, 2015

**ASSIGNOR**

**ASSIGNEE**

**Mitsubishi Electric Corporation**

**TCL Communication Technology Holdings Limited**

By: H. Okubo

By: S. Chiang

Name: Hideyuki Okubo

Name: ~~Aiping Guo~~ Stephen Chiang

Title: Representative Executive Officer

Title: ~~Chief Executive Officer~~ Vice President.

APPENDIX: Assigned U.S. Patents/Applications

Group I

- Application No. 12/664113
- A family application of 12/664113 (Application No. is unavailable, as of Effective Date)
- Patent No. 7885235
- Application No. 14/298168
- Patent No. 8139557
- Patent No. 8311135
- Patent No. 8175110
- Patent No. 8233940
- Patent No. 7336631
- Patent No. 7397824
- Application No. 13/141858
- Patent No. 8811252
- Application No. 14/339880
- Patent No. 7929467
- Patent No. 8406158
- Application No. 12/602781
- Patent No. 7227834
- Patent No. 6781550

Group II

- Patent No. 7664523
- Patent No. 7075997
- Patent No. 7415080
- Patent No. 7706488
- Patent No. 7636561
- Patent No. 7643813

Group III

- Patent No. 5805581
- Patent No. 6009087
- Patent No. 6160801
- Patent No. 6590878
- Patent No. 6219347
- Patent No. 6526036
- Patent No. 6958985