502649633 01/24/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2696241

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Yi-Shin Tung | 11/04/2013 |
| Yi-Chin Huang | 11/04/2013 |
| Chia-Chiang Ho | 11/04/2013 |

RECEIVING PARTY DATA

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| City: | Hsinchu County |
| State/Country: | Taiwan ROC |
| Postal Code: | 302 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14092396 |

CORRESPONDENCE DATA

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|-------------------------|--------------------------|
| NAME OF SUBMITTER: | JUSTIN KING |
| Signature: | /Justin King/ |
| Date: | 01/24/2014 PATENT |

502649633 REEL: 032038 FRAME: 0497

Total Attachments: 3
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PATENT REEL: 032038 FRAME: 0498

| | Serial No |
|----------|---------------------|
| Attorney | Docket No. |
| • | Ref. No. MST0724-US |

Combined Declaration and Assignment for Patent Application In Chinese/English

美國專利申請聲明以及美國專利轉讓

For the subject matter which is claimed and for which a patent is sought on the invention entitled: 專利申諧權利要求的發明名稱如下:

| Electronic | Device | and | Method | for | Controlling | the | Same |
|--|----------------|----------|-------------------|----------|--------------|-------------|--------|
| I hereby declare that: As a below 我在此宣告:作爲下述發明者 | named invento | F | | | | | |
| The specification of which is | attached heret | o unless | the following box | is checl | ked 並將其說明書在此 | 衬上,除 | 非以下方格已 |

| ☑ was filed on其發明已立案于 | | |
|--|--------------------------------------|------------------|
| as United States Application Number or PCT | International Application Number 其美國 | 國申請號碼或PCT國際申請號碼爲 |
| | | |

The above-identified application was made or authorized to be made by me. 以上所提之申請案係由我撰寫或是在我的授權下所撰寫.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application. 我相信我是首創發明者或是首創共同發明者。

I hereby acknowledge that willful false statements made in this statement is punishable under 18 U.S.C. 1001 by fine or/and imprisonment of not more than five (5) years. 我了解,按照美國法規第十八節第一千零一項,任何蓄意偽造的聲明都可受到罰款和/或五年以下有期徒刑。

ASSIGNMENT .

美國專利轉讓

WHEREAS, I(we), the named inventor(s), whose post office address(es) appear(s) below, hereinafter referred to as Assignor.

作爲下述其郵遞地址的發明者, 在此稱轉讓人.

WHEREAS, MStar Semiconductor, Inc.

打叉:

whose post office address is 4F-1, No. 26, Tai-Yuan St., Chu Pei, Hsinchu County, Taiwan 302, R.O.C.

hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in and to the same in the United States and its territorial possessions.

農星半導體股份有限公司位於302 新竹縣竹北市台元街26號4樓之1,在此稱讓受人,取得此發明在美國與其管轄境內之所有權利

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), Assignor, by these presents do sell, assign and transfer unto said Assigner, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part, and reissue of said application for the full term or terms for which the same may be granted, including all priority rights under any International Convention.

根據所收到的相關價值,轉讓人據此將本發明轉讓於讓受人,此轉讓包括本發明以及本發明案之所有在美國的相關權利,包括任何專利有效期內的分案,續案,重新核發案,並包括在國際公約所保障的優先權.

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| , | Ref. No. MST0724-US | |

ASSIGNOR further covenants that no assignments, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment. 轉讓人將不會簽署任何與此轉讓書相悖逆的再轉讓,販售,或合同協議.

ALSO, Assignor hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said Invention, including additional documents that may be required to affirm the rights of Assignee in and to said Invention, all without further consideration. Assignee also agrees, without further consideration and at Assignee's expense, to identify and communicate to Assignee at Assignee's request documents and information concerning the Invention that are within Assignor's possession or control, and to provide further assurances and testimony on behalf of Assignee that lawfully may be required of Assignor in respect of the prosecution, maintenance, litigation and defense of any patent application or patent encompassed within the terms of this instrument. Assignor's obligations under this instrument shall extend to Assignor's heirs, executors, administrators and other legal representatives;

轉讓人將無條件協助簽署任何法律上所需要與本發明相關的文件,包括提交申請,回駁答辯,年費,以及任何證明讓受人擁有本發明之文件。在讓受人的要求下,轉讓人也將無條件協助讓受人,提供讓受人轉讓人所持有的發明文件資料。並提供讓受人或是讓明之文件。在讓受人的要求下,轉讓人也將無條件協助讓受人,提供讓受人轉讓人所持有的發明文件資料。並提供讓受人或是讓

受人的法定繼承人在法律上所要求的回駁答辯,侵權訴訟相關協助

ALSO, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to Assignee, as the Assignee of the entire right, title and interest in and to the same, for Assignee's sole use and behoof; and for the use and behoof of Assignee's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

轉讓人在此要求美國專利商標局在核發本發明專利時,跟據以上所呈訴讓受人在本發明以及本發明案之所有在美國的相關權利,核發於讓受人

| Legal Name of the Sole Or First Inventor 第一或是爲一發明者正式名字 | | | | |
|--|--------------------------------------|---------------------------------|-------------------------------------|--|
| First And Middle Name 發明者名 Yi-Shin | 名 Last Name of Inventor 發明著姓 Tung | | | |
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| Legal Name of | of the Jo | int Inventor | 共同發明者 | 狂式名 | 字 |
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| Serial N | lo |
|-----------------|--------------------|
| Attorney Docket | No. |
| • | Ref No MST0724-US |
| | RELIND MINIOUZA-UN |

| First And Middle Name 發明者名 Last Name of I Yi Chin Huang | | me of Inventor 發明者姓] | Inventor 發明者姓 | | | |
|--|---------|--------------------------------|--|--|--|--|
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| Signature發明者簽字 Chia - Chiang No | | | Signature Date (month/day/year)簽字日期(月/日/年) // / クチ / シッ / 3 | | | | |
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