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RECORDATION COVER SHEET - PATENT APPLICATION

12.17.03

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NATURE OF CONVEYANCE : Assignment of U.S. Patent Application

CONVEYANCE EXECUTION DATE : August 11, 2003

PATENT APPLICATION NO. : To be assigned

PATENT APPLICATION FILING DATE : December 17, 2003

APPLICATION FILED TOGETHER WITH THIS DOCUMENT : YES

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TOTAL NUMBER OF PATENTS AND APPLICATIONS INVOLVED : One

TOTAL FEE PAID : \$40.00

METHOD OF PAYMENT : ☒ Enclosed
☐ Authorized to be charged to deposit account

22390 U.S. PTO
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FEE ENCLOSED: \$846
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steven M. Rabin (Reg. No. 29,102)

December 17, 2003
Date

Total number of pages including cover sheet, attachments and document: 4.

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PATENT
REEL: 014803 FRAME: 0336

讓渡書

本讓渡協議書適用的發明，其名稱爲：
 (填入發明名稱) 採用矩陣轉換策略的高效能
CRC 計算方法及系統

本協議書的讓渡人是在本協議書最後簽字的發明人。

本協議書的受讓人如下：

(受讓人名字) 旺宏電子股份有限公司

(受讓人地址) 中華民國台灣省新竹市 300 新
竹科學工業園區力行路 16 號

受讓人是：

(注明一項)

☐ 個人

☐ 合伙經營的企業

☒ 公司 中華民國台灣

(填入公司所在國家名稱)

☐ (其他) _____

本協議書涉及的專利權是：

(注明一項)

☒ 本發明的專利申請案，該申請案與本讓渡書同時由讓渡人簽署。

☐ 於(申請日期) _____ 提出申請的美國專利申請號碼 _____。

☐ 根據(申請日期) _____ 提出的 PCT 國際專利申請號碼 _____
 (美國專利申請號碼 _____
 的美國專利申請案。)

☐ 於(公告日期) _____ 公告的美國專利號碼 _____。

WHEREAS this Assignment conveys the specified PATENT RIGHTS to the invention entitled (Invention Title) HIGH PERFORMANCE CRC CALCULATION METHOD AND SYSTEM WITH A MATRIX TRANSFORMATION STRATEGY

AND WHEREAS the ASSIGNOR(S) of the PATENT RIGHTS by this Agreement is (or are) the inventor(s) or patent owner(s) whose signature(s) appear(s) on page 3 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE of the PATENT RIGHTS by this Agreement is:

(Name of Assignee) Macronix International Co., Ltd.

(Address) No. 16, Li-Hsin Road, Science-Based Industrial Park, Hsinchu 300, Taiwan R.O.C.

The ASSIGNEE is:
 (check one)

☐ An Individual.

☐ A Partnership.

☒ A Corporation of TAIWAN R.O.C.
 (specify state or country)

☐ (other) _____

IT IS AGREED THAT:

The PATENT RIGHTS conveyed by this Agreement are:
 (check one)

☒ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this Assignment.

☐ U.S. Patent Application Serial No. _____, filed _____.

☐ a U.S. patent application based on PCT International Application No. _____ filed on (date) _____
 (U.S. patent application Serial No. _____, if known).

☐ U.S. Patent No. _____ issued _____.

- 專利權也包括上述專利和專利申請案的所有分案，再公告，續展和延長。

根據本協議書讓渡的專利權是：

(注明一項)

☐ 美國專利權

- ☒ 全世界的專利權，由此申請人可以要求本發明的任何美國或外國專利申請的優先日。

讓渡人考慮到，並接受了受讓人付給的 1 美元以及其他利益，特此將下述權利讓渡給受讓人及其繼任者，以及其後的受讓人：

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- 專利權的全部權益；
- 對於任何先前的侵權案有起訴和要求賠償的權利；以及
- 按照聯邦法典 35 冊第 119 條和 120 條，或者任何其他適用的條文，依據本發明的任何先前的專利申請案，要求優先權。

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The PATENT RIGHTS also include all divisions, reissues, continuations, and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this Agreement are:

(check one)

☐ U.S. patent rights only.

- ☒ Worldwide patent rights. In this case, the Assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(s), in consideration of \$1.00 paid by the ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors, and assigns:

the full and exclusive right to the invention; the entire right, title, and interest in and to the PATENT RIGHTS, for and during the term or terms of any and all such patents when granted; the right to sue and recover for any past infringement of said PATENT RIGHTS; and, the right to claim priority under 35 USC 119,35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination, and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, made all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, and its successors and assigns, to obtain and enforce the full extent of protection to which it is entitled for said PATENT RIGHTS.

受讓人授權本申請案所委任的律師和代理人對簽署後的本協議書進行校核，並填入序號和申請日。

The ASSIGNOR(S) authorize(s) any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

茲同意：

AGREED:

Kovsky T. J. Tsai

Name of sole or first inventor
第一位或獨有的發明者全名

Kovsky T. J. Tsai

Signature 簽名

August 11, 2003

Date 日期

Joe Chang

Name of second inventor, if any
第二位發明者全名

Joe Chang

Signature 簽名

August 11, 2003

Date 日期

Name of third inventor, if any
第三位發明者全名

Signature 簽名

Date 日期

Name of fourth inventor, if any
第四位發明者全名

Signature 簽名

Date 日期

Name of fifth inventor, if any
第五位發明者全名

Signature 簽名

Date 日期

Name of sixth inventor, if any
第六位發明者全名

Signature 簽名

Date 日期

Name of seventh inventor, if any
第七位發明者全名

Signature 簽名

Date 日期

Name of eighth inventor, if any
第八位發明者全名

Signature 簽名

Date 日期