5 Rec'd PCT/PTO 2 0 AUG 2004 3829-025-27 Docket No.: FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE 8-20-04 Patent and Trademark Office To the Honorable Commissioner of Patents at iginal documents or copy thereof. 102928206 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Cédric GROUX NagraCard S.A. 22, route de Genève CH-1033 Cheseaux-sur-Lausanne Additional name(s) of conveying party(ies) attached? □Yes ■No **SWITZERLAND** 3. Nature of Conveyance: Assignment □ Merger ☐ Security Agreement □ Change of Name □ Other June 30, 2004 Additional name(s) and address(es) attached? □Yes ■No Execution Date: 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) PCT/IB03/00621 Additional numbers attached? □Yes ■No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: Supervisor, Patent Prosecution Services 7. Total fee (37 CFR 3.41): \$40.00 PIPER RUDNICK LLP ■ Enclosed 1200 Nineteenth Street, N.W. □ Authorized to be charged to deposit account Washington, D.C. 20036-2412 8. Deposit account number: 50-1442 Telephone No. (202) 861-3900 (Attach duplicate copy of this page if paying by deposit account) Facsimile No. (202) 223-2085 DO NOT USE THIS SPACE 9. Statement and signature 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.

James M. Heintz

Name of Person Signing

41,828

Registration Number:

Signature

20 AUGUST 2004

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PATENT REEL: 016183 FRAME: 0016

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Docket No.:

Assignment of Application

| WHEREAS, | I (we), | | | |
|--|----------------|---------|-------------------|---------------|
| GROUX Cédric | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | , | respectively, |
| have invented certain new and useful improvements in: | | | | |
| METHOD FOR STORING DATA BLOCKS IN A MEMORY | | | | |
| for which an application for Letters Patent was executed on | | | | |
| | | | | |
| (Application No. | PCT/IB03/00621 | , Filed | February 18, 2003 |); and |
| WHEREAS, | NagraCard S.A. | | | |
| (hereinafter referred to as "ASSIGNEE"), having a place of business at: 22, route de Genève, CH-1033 Cheseaux-sur-Lausanne | | | | |
| Switzerland | | | | |

is desirous of acquiring the full and exclusive right in and to said Invention and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I (we), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right in and to said Invention in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, continuations, substitutions, renewals and reissues thereof.

PATENT REEL: 016183 FRAME: 0017 I (we) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE and said ASSIGNEE's successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (we) agree that I (we) will communicate to said ASSIGNEE or said ASSIGNEE's representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEE, and said ASSIGNEE's successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Piper Rudnick LLP, Attorneys at Law, 1200 Nineteenth Street, N.W., Washington, D.C. 20036-2412, the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 30 VI 2004

RECORDED: 08/20/2004

(Signature of Inventor) GROUX Cédric

PIPER RUDNICK LLP 1200 NINETEENTH STREET, N.W. WASHINGTON, D.C. 20036-2412

> PATENT REEL: 016183 FRAME: 0018