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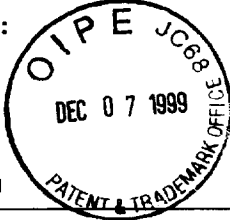
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): NITTY-GRITTY S.R.L and NITTY-GRITTY GmbH No additional names attached <input checked="" type="checkbox"/>		2. Name and address of receiving party(ies): EDK RESEARCH AG Grabenstrasse 32 CH-6301, ZUG, Switzerland No additional names(s) or address(es) attached <input checked="" type="checkbox"/>
3. Nature of Conveyance: <input checked="" type="checkbox"/> assignment <input type="checkbox"/> merger <input type="checkbox"/> security agreement <input type="checkbox"/> change of name <input type="checkbox"/> other		
EXECUTION DATE: November 27, 1999		
4. Application number(s) or patent number(s): THIS DOCUMENT IS NOT BEING FILED WITH A NEW APPLICATION.		
A. Patent Application Number(s)		B. Patent Number(s) 5,964,990
5. Name and address of party to whom correspondence concerning document should be mailed: Name: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. Address: Arlington Court Plaza I Suite 1400 2200 Clarendon BLVD. Arlington, VA 22201		6. Total number of applications and patents involved: 1 7. Total fee (37CFR 3.41) \$40.00 <input checked="" type="checkbox"/> Check enclosed <input checked="" type="checkbox"/> Charge any deficiencies in the payment of fees associated with this communication or credit any overpayment to 8. DEPOSIT ACCOUNT NO. 13-3402
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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.

Tracy A. Luke
Legal Assistant for Applicant(s)

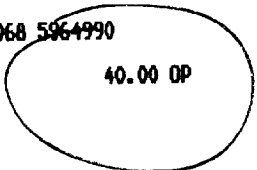
[Signature]
Signature

December 7, 1999
Date

- ◆ Total number of pages including cover sheet, attachments and documents: 2
- ◆ Attorney Docket # GASPA-1

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ASSIGNMENT

WHEREAS, NITTY-GRITTY S.R.L. and NITTY-GRITTY GmbH hereinafter referred to as the ASSIGNORS, are the current owners of the entire right, title and interest in and to the following United States patent application and the inventions covered thereby:

Patent No.	In the name of	Assignment Recordation
5,964,990	Muratori et al.	Reel 9557/Frame 0577

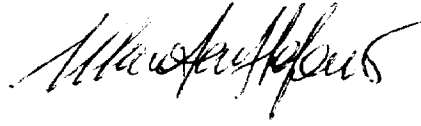
by virtue of earlier recorded assignment in the United States Patent and Trademark Office.

AND WHEREAS, EDK RESEARCH AG, Grabenstrasse, 32, CH-6301, ZUG, Switzerland, hereafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said Letters Patent and said inventions covered thereby, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNORS hereby assign, sell and transfer to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said inventions and said Letters Patent including any and all renewals, reissues and prolongations thereof, including the right to sue under said patents for infringement occurring herebefore, ASSIGNEE and its assigns and legal representatives to have, hold, exercise, and enjoy the said inventions and Letters Patent, including any and all renewals, reissues, and prolongations thereof, with all the rights, powers, privileges, and advantages in anywise arising from or appertaining thereto, for and during the term or terms of said Letters Patent, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to

all intents and purposes as the ASSIGNORS might or could have held and enjoyed the same,
if the assignment had not been made.

NITTY GRITTY S.R.L.



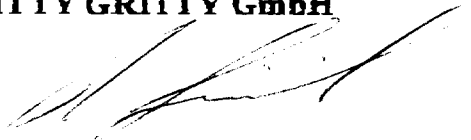
Date: November 27th 1999

By: _____

Name: MURATORI STEFANO

Title: director

NITTY GRITTY GmbH



Date: November 27th 1999

By: _____

Name: RICHARD SIGRIST

Title: director

AJZ/ra.K.PAT/gaspa/f:company assignment wpd