

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mallik MAHALINGAM</td> <td>06/10/2008</td> </tr> <tr> <td>Olivier CREMEL</td> <td>06/10/2008</td> </tr> <tr> <td>Jyothir RAMANAN</td> <td>06/10/2008</td> </tr> <tr> <td>Michael NELSON</td> <td>06/12/2008</td> </tr> </tbody> </table>		Name	Execution Date	Mallik MAHALINGAM	06/10/2008	Olivier CREMEL	06/10/2008	Jyothir RAMANAN	06/10/2008	Michael NELSON	06/12/2008
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Jyothir RAMANAN	06/10/2008										
Michael NELSON	06/12/2008										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	VMware, Inc.										
<b>Street Address:</b>	3401 Hillview Avenue										
<b>City:</b>	Palo Alto										
<b>State/Country:</b>	CALIFORNIA										
<b>Postal Code:</b>	94304										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12124893</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12124893						
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Application Number:	12124893										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(650)427-4818										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	650-427-1049										
<b>Email:</b>	dsmith@vmware.com										
<b>Correspondent Name:</b>	VMWARE, INC.										
<b>Address Line 1:</b>	DARRYL SMITH										
<b>Address Line 2:</b>	3401 Hillview Ave.										
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94304										
<b>ATTORNEY DOCKET NUMBER:</b>	A119										
<b>NAME OF SUBMITTER:</b>	Michael B. Einschlag										
Total Attachments: 6											

**CH \$40.00 12124893**

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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Mallik Mahalingam	of	Sunnyvale, California
Olivier Cremel	of	Los Altos, California
Jyothir Ramanan	of	Sunnyvale, California
Michael Nelson	of	Alamo, California

hereby sell, assign, transfer and set over to

ASSIGNEE: VMware, Inc., a Delaware corporation, having a principal place of business at 3401 Hillview Avenue, Palo Alto, California 94304, U.S.A. (VMware), its successors, assigns and legal representatives,

my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,
- U.S. Patent Application executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, or
- U.S. Patent Application No.: 12/124,893, filed on May 21, 2008;
- U.S. Provisional Application No.: \_\_\_\_\_, filed on \_\_\_\_\_;
- International Application No.: PCT/\_\_\_\_\_, filed on \_\_\_\_\_;

and

ENTITLED: HANDLING INTERRUPTS WHEN VIRTUAL MACHINES HAVE DIRECT ACCESS TO HARDWARE DEVICE

and identified by Attorney Docket Number A119 ;

and naming inventor(s) as follows:

INVENTOR(S): Mallik Mahalingam, Olivier Cremel, Jyothir Ramanan, Michael Nelson

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including any and all provisional, international, regional and foreign national applications) for said invention(s), including divisionals, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof –the foreign applications including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for the invention(s) in any country or countries foreign to the United States, and all forms of industrial property protection, including, without limitation, patents,

ASSIGNMENT

utility models, inventor's certificates and designs which may be granted for the invention(s) in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

I authorize and request that the U.S. Patent Application number and filing date corresponding to the U.S. Patent Application identified above be inserted here, if not already shown above, when such Patent Application number and filing date become known:

U.S. Patent Application \_\_\_\_ / \_\_\_\_\_, filed \_\_\_\_\_.


I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s); to claim all rights of priority without further authorization from me, which priority rights include rights derived from any United States application (provisional or otherwise) under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and to own in its own name all applications, all patents and inventor's certificates in all countries based on the invention(s).

I agree to execute any and all documents requested by ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their reasonable expense, in connection with filing and prosecution of any and all United States and foreign applications (including international, regional, and foreign national applications), enforcement of all patents, and maintenance of all rights in the invention(s), patents, inventor's certificates and applications for patents or inventor's certificates based on any of the invention(s); and generally to do everything possible to aid ASSIGNEE, its successors, assigns, legal representatives, and nominees, at their request and reasonable expense, in obtaining, enforcing, and maintaining patents and inventor's certificates for said invention(s) in all countries. In particular, I agree to provide to ASSIGNEE, its successors, assigns, legal representatives, or nominees, at their request and at their reasonable expense, all information known to or ascertainable by me and all documents and other materials and objects pertaining to the invention(s) that are in the possession of or accessible to me; and further, at any trial, hearing, deposition or other legal proceeding where I am called as a witness by ASSIGNEE, its successors, assigns, legal representatives, or nominee, I agree to testify to all facts pertaining to the invention(s) for which I am competent to testify.

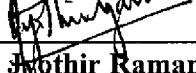
I hereby covenant that I have full right to convey the entire interest that is being assigned by this Assignment, and that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

I authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue any U.S. Letters Patent or any other patent or property right that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

Executed on 6/10/08, by   
Date **Mallik Mahalingam**

Executed on 6/10/08, by   
Date **Olivier Cremel**

ASSIGNMENT

Executed on 06/10/2008, by   
Date Jothir Ramanan

Executed on \_\_\_\_\_, by \_\_\_\_\_  
Date Michael Nelson

## DECLARATION FOR PATENT APPLICATION & POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled:

Title: Handling Interrupts When Virtual Machines Have Direct Access to Hardware Device  
Docket No. A119

the specification of which (check one)

is attached hereto.

was filed on May 21, 2008 as U.S. Application Serial No. 12/124,893 and was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims and the drawings and as amended by any amendment referred to above. I further acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations 1.56.

### FOREIGN APPLICATION AND/OR CLAIM FOR FOREIGN PRIORITY

I hereby claim foreign priority benefits under Title 35, United States Codes 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

(Number)	(Country)	(Date filed)	Priority claimed? (Yes/No)
N/A			

### U.S. PRIORITY CLAIM

I hereby claim the benefits under Section 119(e) or Section 120 of Title 35 of the United States Code of any United States application(s) listed below, as applicable, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations 1.56(a) which occurred between its

filing date of the prior application and the national or PCT international filing date of this application:

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App'n No.: 60/939,819 Filing Date: May 23, 2007 Status: pending

Power of Attorney: As a named inventor, I appoint practitioners associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute this application and to transact all business connected with it in the U.S. Patent and Trademark Office:

Customer Number: 36378

Correspondence Address: Please recognize the address associated with the above-mentioned Customer Number as the correspondence address for this application.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of 1st inventor: Mallik Mahalingam

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 3401 Hillview Ave., Palo Alto, CA 94304, USA

Citizenship: India

Full name of 2nd inventor: Olivier Cremel

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Los Altos, California

Post Office Address: 3401 Hillview Ave., Palo Alto, CA 94304, USA

Citizenship: United States of America

Full name of 3rd inventor: Jyothir Ramanan

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 3401 Hillview Ave., Palo Alto, CA 94304, USA

Citizenship: United States of America

Full name of 4th inventor: Michael Nelson

Inventor's signature: Michael Nelson

Date: 6/12/08

Residence: Alamo, California

Post Office Address: 3401 Hillview Ave., Palo Alto, CA 94304, USA

Citizenship: United States of America