

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hong LIU</td> <td>10/31/2006</td> </tr> <tr> <td>David C. TULLY</td> <td>10/31/2006</td> </tr> <tr> <td>Amab CHATTERJEE</td> <td>11/01/2006</td> </tr> <tr> <td>Phillip B. ALPER</td> <td>11/01/2006</td> </tr> <tr> <td>David H. WOODMANSEE</td> <td>11/10/2006</td> </tr> <tr> <td>Daniel MUTNICK</td> <td>10/31/2006</td> </tr> </tbody> </table>		Name	Execution Date	Hong LIU	10/31/2006	David C. TULLY	10/31/2006	Amab CHATTERJEE	11/01/2006	Phillip B. ALPER	11/01/2006	David H. WOODMANSEE	11/10/2006	Daniel MUTNICK	10/31/2006
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Daniel MUTNICK	10/31/2006														
<b>RECEIVING PARTY DATA</b>															
Name:	IRM LLC														
Street Address:	131 Front Street														
Internal Address:	P.O. Box HM 2899														
City:	Hamilton														
State/Country:	BERMUDA														
Postal Code:	HM LX														
<b>PROPERTY NUMBERS Total: 4</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13161555</td> </tr> <tr> <td>Patent Number:</td> <td>7985749</td> </tr> <tr> <td>PCT Number:</td> <td>US0515117</td> </tr> <tr> <td>Application Number:</td> <td>60566990</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13161555	Patent Number:	7985749	PCT Number:	US0515117	Application Number:	60566990				
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<b>CORRESPONDENCE DATA</b>															
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CH \$160.00 13161555

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Address Line 4: San Diego, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER:	PAT033884
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NAME OF SUBMITTER:	EMILY TONGCO WU
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ASSIGNMENT

I / We Hong LIU, 6348 Oleander Way, San Diego, CA 92130, USA, citizen of China  
David C. TULLY, 4278 Calle Isabelino, San Diego, CA 92130, USA, citizen of USA  
Arnab CHATTERJEE, 1007 Guadalajara, Encinitas, CA 92024, USA, citizen of USA  
Phillip B. ALPER, 12184 Pepper Tree Lane, Poway, CA 92064, USA, citizen of USA  
David H. WOODMANSEE, 2966 Kobe Drive, San Diego, CA 92123, USA, citizen of USA  
Daniel MUTNICK, 2509 Old Quarry Road #1431, San Diego, CA 92108, USA, citizen of USA

for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **IRM LLC, a Delaware Limited Liability Company, organized under the laws of USA, of 'Hurst Holme', 12 Trott Road, Hamilton, Bermuda, HM 11**, its successors, assigns and legal representatives all my/our right, title and interest, in and for the United States of America, in and to the invention entitled:

**COMPOUNDS AND COMPOSITIONS AS CATHEPSIN S INHIBITORS**

invented by me/us and described in the international application

No. PCT/US2005/015117 filed 29/04/2005

and all United States Letters Patent which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by the said **IRM LLC, a Delaware Limited Liability Company**, its successors, assigns or other legal representatives, 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 and enjoyed by me/us if this assignment and sale had not been made;

And I/we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the said **IRM LLC, a Delaware Limited Liability Company**.

Signed on

\_\_\_\_\_  
Hong LIU

\_\_\_\_\_  
David C. TULLY

\_\_\_\_\_  
Arnab CHATTERJEE

Phillip B. ALPER

  
David H. WOODMANSEE

x 10/11/2006

Daniel MUTNICK

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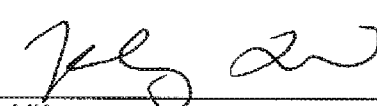
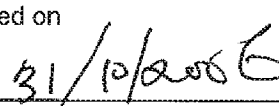
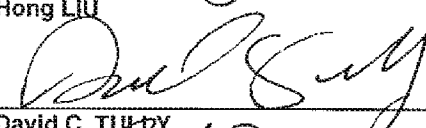
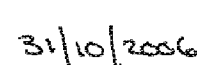
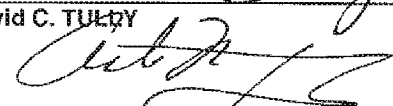
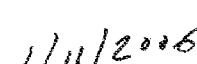
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Phillip B. ALPER

11/1/2006

David H. WOODMANSEE



Daniel MUTNICK

OCTOBER 31, 2006

US 07/01