

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<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>Jian MA</td> <td>06/14/2005</td> </tr> <tr> <td>Phil Freiburger</td> <td>07/15/2005</td> </tr> <tr> <td>Karmen Yung</td> <td>06/27/2005</td> </tr> <tr> <td>Frederick Chen</td> <td>06/29/2005</td> </tr> <tr> <td>Chaoyang Li</td> <td>07/21/2005</td> </tr> <tr> <td>Steve Mak</td> <td>06/20/2005</td> </tr> </tbody> </table>		Name	Execution Date	Jian MA	06/14/2005	Phil Freiburger	07/15/2005	Karmen Yung	06/27/2005	Frederick Chen	06/29/2005	Chaoyang Li	07/21/2005	Steve Mak	06/20/2005
Name	Execution Date														
Jian MA	06/14/2005														
Phil Freiburger	07/15/2005														
Karmen Yung	06/27/2005														
Frederick Chen	06/29/2005														
Chaoyang Li	07/21/2005														
Steve Mak	06/20/2005														
RECEIVING PARTY DATA															
Name:	Intel Corporation														
Street Address:	2200 Mission College Boulevard														
City:	Santa Clara														
State/Country:	CALIFORNIA														
Postal Code:	95052														
PROPERTY NUMBERS Total: 1															
<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>12194689</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12194689										
Property Type	Number														
Application Number:	12194689														
CORRESPONDENCE DATA															
Fax Number:	(877)769-7945														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	6175425070														
Email:	drn@fr.com														
Correspondent Name:	Denis G. Maloney														
Address Line 1:	P. O. Box 1022														
Address Line 4:	Minneapolis, MINNESOTA 55440-1022														
ATTORNEY DOCKET NUMBER:	10559-0968002														
NAME OF SUBMITTER:	Debbie Nast														

CH \$40.00 12194689

Total Attachments: 7

source=assignment#page1.tif

source=assignment#page2.tif

source=assignment#page3.tif

source=assignment#page4.tif

source=assignment#page5.tif

source=assignment#page6.tif

source=assignment#page7.tif

ASSIGNMENT

For valuable consideration, we, Jian Ma, of San Jose, CA; Phil Freiberger, of Santa Clara, CA; Karmen Yung, of Sunnyvale, CA; Frederick Chen, of Cupertino, CA; Chaoyang Li, of San Jose, CA; Steve Mak, of Pleasanton, CA; hereby assign to INTEL CORPORATION, a corporation of Delaware, having a place of business at 2200 Mission College Blvd., Santa Clara, CA 95052, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ADVANCED MASK PATTERNING WITH HARD MASK TECHNIQUE, filed March 28, 2005, and assigned U.S. Serial Number 11/092,993, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Attorney Docket No: 10559/968001 P20413

DATE: 06/14/2005

Jian Ma
JIAN MA

DATE: _____

PHIL FREIBERGER

DATE: _____

KARMEN YUNG

DATE: _____

FREDERICK CHEN

DATE: _____

CHAOYANG LI

DATE: _____

STEVE MAK

10522913.doc

Attorney Docket No: 10559/968001 P20413

DATE: _____

DATE: 7/15/05

DATE: _____

DATE: _____

DATE: _____

DATE: _____

JIAN MA

Phil Freiberger
PHIL FREIBERGER

KARMEN YUNG

FREDERICK CHEN

CHAOYANG LI

STEVE MAK

10522913.doc

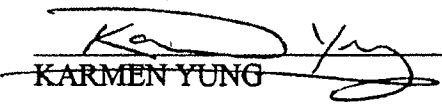
DATE: _____

JIAN MA

DATE: _____

PHIL FREIBERGER

DATE: 6/27/05



KARMEN YUNG

DATE: _____

FREDERICK CHEN

DATE: _____

CHAOYANG LI

DATE: _____

STEVE MAK

10522913.doc

DATE: _____

JIAN MA

DATE: _____

PHIL FREIBERGER

DATE: _____

KARMEN YUNG

DATE: 4/20/05

Frederick J. Chen
FREDERICK CHEN

DATE: _____

CHAOYANG LI

DATE: _____

STEVE MAK

10522913.doc

Attorney Docket No: 10559/968001 P20413

DATE: _____

JIAN MA

DATE: _____

PHIL FREIBERGER

DATE: _____

KARMEN YUNG

DATE: _____

FREDERICK CHEN

DATE: 9/21/05


CHAOYANG LI

DATE: _____

STEVE MAK

10522913.doc

DATE: _____

JIAN MA

DATE: _____

PHIL FREIBERGER

DATE: _____

KARMEN YUNG

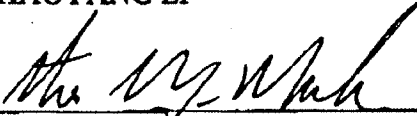
DATE: _____

FREDERICK CHEN

DATE: _____

CHAORYANG LI

DATE: 6/20/2005



STEVE MAK

10522913.doc