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OMB No. 0651-0011 (exp. 4/94)					
To the Honorable Commissioner on a 200528	attached original documents or copy thereof.				
Name of conveying party(ies):	2. Name and address of receiving party(ies)				
Chiak Wu Wong	Name: Novartis AG				
Chee Meng Lai					
Huong Giang Tran					
Additional name(s) of conveying party(ies) attached? Yes No. Nature of conveyance:					
	Street Address: <u>Lichtstrasse 35</u>				
☐ Security Agreement ☐ Change of Name					
Other	City: Basel State: Switzerland ZIP: 4056				
Execution Date: July 1, 2008	Additional name(s) & address(es) attached? ☐ Yes ☒ No				
4. Application number(s) or patent number(s):					
If this document is being filed together with a new application	n, the execution date of the application is:				
A. Patent Application No.(s)	B. Patent No.(s)				
12/214,347					
Additional numbers att	tached? Yes No				
Name and address of party to whom correspondence	6. Total number of applications and patents involved: 5 1				
concerning document should be mailed: Name: CIBA Vision Corporation	7. Total fee (37 CFR 3.41) \$40				
Internal Address: Patent Department	☐ Enclosed				
	Authorized to be charged to deposit account and any other additional fees required.				
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Sheng-Hsin Hu	0ctober 2, 2008				
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Mail documents to be recorded to Director of the US Patent :	with required cover sheet information to: 48.88 DH an Trademark Office, PO Box 1450				
I hereby certify that this paper (along with any paper referred to as to States Postal Service on the date shown below with sufficient por Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 Martha Martin	F MAILING being attached or enclosed) is being deposited with the United				
Type or print name	nature				

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

Chiak Wu Wong residing at 53 Sunrise Avenue

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Huong Giang Tran residing at 52 Bukit Batok East Ave 5

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Singapore,

do hereby sell, assign and transfer to **Novartis AG**, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, Basel, Switzerland 4056, and its successors, assigns and legal representatives, all of our right, title and interest for all countries of the world hereinafter referred to collectively as the "**ASSIGNEES**" in and to (1) all of our inventions and discoveries described in the patent provisional or non-provisional patent application(s) titled

ENGINEERING EXPERT SYSTEM

and filed in the United States Patent and Trademark Office on <u>June 18, 2008</u> and accorded
Application Number 12/214,347* and/or filed in the RO/
on, 20 and accorded International Patent Application Number
PCT/*, (2) the patent application(s) identified in (1), (3) all national stages of
any international patent application identified in (1), (4) all other patent applications in all
countries and regions claiming the priority of the provisional or non-provisional patent application
filed in the United States Patent and Trademark Office on June 18, 2008 and accorded
Application Number 12/214,347, (5) for all patent applications, all rights of priority based upon
the United States patent application identified in (4) in all countries and regions under the Paris
Convention for the Protection of Industrial Property, the Inter-American Convention relating to
Inventions, Patents, Designs, and Industrial Models and all other international agreements to
which the United States now is or hereafter becomes a signatory and, if the United States patent
application identified in (4) is a provisional patent application, under 35 USC 119(e) (including
the right to file patent applications on said inventions and discoveries in the names of
ASSIGNEES or their designees or in our names, at their election and in accordance with
applicable law in all countries and regions), (6) all continuations and divisions of any United
States patent application or international patent application designating the United States
identified in (1), any national stages of any international application identified in (1) and any
patent applications within the scope of (4) (including further continuations and divisions such as,
but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (6)
hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on
any of said patent applications, (8) all registrations and confirmations of, and importation
certificates based upon, one or more of said patents and applications for such registrations,
confirmations and importation certificates and (9) all reissues, renewals and extensions of said
patents, registrations, confirmations and importation certificates, reexamination certificates
issued for said patents and supplementary protection certificates based upon said patents and
applications for such reissues, renewals, extensions, reexamination certificates and

PATENT REEL: 021653 FRAME: 0332 supplementary protection certificates, the same to be held and enjoyed by said **ASSIGNEES** and their successors, assigns and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of ASSIGNEES or their successors, assigns or legal representatives execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates and applications within the scope of (8) and (9) in ASSIGNEES or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of ASSIGNEES or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all applications within the scope of (8) or (9) and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEES or their successors, assigns or legal representatives.

*We hereby authorize **ASSIGNEES** and their representatives to insert in this Assignment the filing date(s) and Application Number(s) of said patent application(s) when notified thereof.

Executed this	01	_ day of	Jul	, 20_08_
CM.	nhy			
Chiak Wu Wong	V			
Executed this	01	_day of	Jul	, 20_08
Olin	1			
Chee Meng Lai				
Executed this	01	_ day of	Jul	, 20 <u>08</u> ′
Huong Glang Tra	ın			

RECORDED: 10/06/2008

PATENT REEL: 021653 FRAME: 0333