PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Qi Wu	10/23/2009
Tsuhan Chen	11/15/2009

RECEIVING PARTY DATA

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Street Address:	5000 Forbes Avenue
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12581766

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ATTORNEY DOCKET NUMBER:	P007582/RD/MJL(GMC9292)

NAME OF SUBMITTER: Mona-Lisa Cichosz

Total Attachments: 2

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> **PATENT** REEL: 023751 FRAME: 0363

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to CARNEGIE MELLON UNIVERSITY, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P007582/RD/MJL entitled

CLEAR PATH DETECTION USING PATCH APPROACH

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize any patent practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (<u>12/581,766</u> filed <u>19-OCTOBER-2009</u>) when known.

Inventor's signature		Date_ Oct 23 2009
Full name :	OLWU	Declaration dated:
Residence:	PITTSBURGH, PENNSYLVANIA	Oct. 25. 2009
Inventor's signature		Date
Full name :	TSUHAN CHEN	Declaration dated:
Residence :	ITHACA, NEW YORK	

PATENT REEL: 023751 FRAME: 0364

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to CARNEGIE MELLON UNIVERSITY, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P007582/RD/MJL entitled

CLEAR PATH DETECTION USING PATCH APPROACH

for which I executed a declaration dated as indicated below. If the patent application has been filled, I authorize any patent practitioner associated with Customer No. 70465 to insert the application number and filing date of said application here in parentheses (<u>12/581,766</u> filed <u>19-OCTOBER-2009</u>) when known.

Inventor's signature		Date
Full name :	QI WU	Declaration dated:
Residence:	PITTSBURGH, PENNSYLVANIA	
Inventor's signature	_ John	Date 11/15/09
Full name:	TSUHAN CHEN	Declaration dated:
Residence	ITHACA, NEW YORK	,,

RECORDED: 01/08/2010

PATENT REEL: 023751 FRAME: 0365