

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mamoru Miyawaki	09/04/2012
RECEIVING PARTY DATA	
Name:	CANON KABUSHIKI KAISHA
Street Address:	30-2, Shimomaruko 3-chome, Ohta-ku
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Postal Code:	146-8501
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13603294
CORRESPONDENCE DATA	
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Address Line 4:	IRVINE, CALIFORNIA 92618-3731
ATTORNEY DOCKET NUMBER:	2000-11322-CINC
NAME OF SUBMITTER:	Michael Kavetsky
Total Attachments: 1 source=Assignment_09_04_2012#page1.tif	

CH \$40.00 13603294

ASSIGNMENT

FOR VALUE RECEIVED, I/WE

I, Mamoru Miyawaki citizen of Japan residing, respectively, at Tucson, AZ

hereby sell, assign, transfer, and convey unto Canon Kabushiki Kaisha
a corporation of JAPAN

having a place of business at 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, JAPAN, 146-8501

(hereinafter called the "Assignee"), its successors, assigns, and legal representatives (hereinafter called the "nominees"),
the entire right, title, and interest, for all countries, in and to certain inventions relating to

**APPARATUS AND METHOD FOR ACQUIRING INFORMATION ABOUT LIGHT-FIELD
DATA**

and described in an application for Letters Patent of the United States (the "Application") executed by me/us and which is
filed concurrently herewith or was filed on _____ and accorded Serial No. _____, and in
and to said application, and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may
be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of
proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation,
registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any
countries or regions foreign to the United States, and all reissues, renewals, and extensions thereof; and I/we hereby authorize and
request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the
United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the
Assignee or to such nominees as the Assignee may designate.

AND I/we authorize and empower the Assignee or nominees to invoke and claim for any application for such Letters
Patent or other grants of protection for said inventions filed by the Assignee or nominees, the benefit of the right of priority
provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may
henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from
me/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment,
consent to file, or like document which may be required in any country or region for any purpose and more particularly in proof of
the right of the Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention
for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

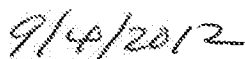
AND I/we hereby covenant that I/we have the full right to convey the entire right, title, and interest herein assigned and
that I/we have not executed and will not execute any agreement in conflict herewith.

AND I/we hereby covenant and agree that I/we will communicate to the Assignee or nominees all facts known to me/us
pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing, and
reissue applications, make all rightful oaths and declarations, and in general perform all lawful acts necessary or proper to aid the
Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said invention in
any and all countries and regions.

AND I/we hereby authorize the practitioners associated with the Customer Number 34904 to fill in the application number
and filing date in the spaces provided above.

IN TESTIMONY WHEREOF, I/we hereunto set my/our hand and seal on the day indicated below:


Mamoru Miyawaki


Date