

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YONGQIANG CAO	10/26/2016
NARAYAN SRINIVASA	11/07/2016
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15250665
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SIGNATURE:	/Rachel Herrera/
DATE SIGNED:	11/10/2016
Total Attachments: 2	
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Attorney Docket: HRL451

HRL docket No.: 141114

Invention Title: A FAST ROBUST METHOD FOR COMPENSATING EGO-TRANSLATIONS AND
DETECTING INDEPENDENT MOVING OBJECTS IN VIDEO CAPTURED WITH A MOVING
CAMERA

ASSIGNMENT

WHEREAS, I, Yongqiang Cao of 124 Boyd Street, Newton, MA 02458, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in A FAST ROBUST METHOD FOR COMPENSATING EGO-TRANSLATIONS AND DETECTING INDEPENDENT MOVING OBJECTS IN VIDEO CAPTURED WITH A MOVING CAMERA (hereinafter "Invention") for which a United States patent application was filed on August 29, 2016, Application Serial No. 15/250,665.

AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries and jurisdictions in which intellectual or industrial property protection may be granted therefor.

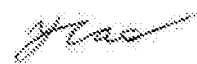
NOW, THEREFORE, for good and valuable consideration, the receipt whereof I hereby acknowledge, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries and jurisdictions, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, patents, designs, utility models, and inventor certificates which may be granted therefor in the United States of America and its territorial possessions and in all foreign countries and jurisdictions. I hereby authorize and request the U.S. Patent and Trademark Office and the equivalent offices of foreign countries and jurisdictions, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit, for the full extent of the term for which United States and foreign patents and the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefor, and at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing, or reexamining United States and foreign patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights therein, particularly in cases of interference, conflict, opposition, and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 26th day of October, 2016,

at Portland (city).


(Signature)

Attorney Docket: HRL451

HRL docket No.: 141114

Invention Title: A FAST ROBUST METHOD FOR COMPENSATING EGO-TRANSLATIONS AND
DETECTING INDEPENDENT MOVING OBJECTS IN VIDEO CAPTURED WITH A MOVING
CAMERA

ASSIGNMENT

WHEREAS, I, Narayan Srinivasa of 5626 N.W. Primino Ave., Portland, OR 97229, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in A FAST ROBUST METHOD FOR COMPENSATING EGO-TRANSLATIONS AND DETECTING INDEPENDENT MOVING OBJECTS IN VIDEO CAPTURED WITH A MOVING CAMERA (hereinafter "Invention") for which a United States patent application was filed on August 29, 2016, Application Serial No. 15/250,665.

AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries and jurisdictions in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof I hereby acknowledge, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries and jurisdictions, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, patents, designs, utility models, and inventor certificates which may be granted therefor in the United States of America and its territorial possessions and in all foreign countries and jurisdictions. I hereby authorize and request the U.S. Patent and Trademark Office and the equivalent offices of foreign countries and jurisdictions, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit, for the full extent of the term for which United States and foreign patents and the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefor, and at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing, or reexamining United States and foreign patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights therein, particularly in cases of interference, conflict, opposition, and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 7th day of November, 2016.

at Portland (city).

S. Narayan
(Signature)