502214644 01/31/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Harri Valpola	01/28/2013
Tuomas Lukka	01/29/2013

RECEIVING PARTY DATA

Name:	ZenRobotics Oy
Street Address:	Mikonkatu 8 A
City:	Helsinki
State/Country:	FINLAND
Postal Code:	00100

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13806426

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 5423-0006

NAME OF SUBMITTER: Yoon S. Ham

Total Attachments: 1

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PATENT REEL: 029729 FRAME: 0375 OP \$40.00 13806426

Docket No.: 5423-0006

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

1)	Harri Valpola	2)	Tuomas Lukka
3)		4)	
5)			x box if continued on page 2
Oy having (hereinafter as defined i	a place of business at Mikonkatu designated "ASSIGNEE") the en n 35 U.S.C. 100 in the invention e	8 A, (tire right ntitled:	nereby sells, assigns and transfers unto ZenRobotics 100100 Helsinki, Finland, its successors and assigns ht, title and interest for the United States of America YSICAL OBJECTS IN A ROBOT SYSTEM
			Patent was filed on21 December 2012 and
	ified by United States Patent Application?		
(b) for w	thich an application for United States Lette	rs Pateni	t was executed on,
all United State continuations- Property to the agrees that the AND application for ASSIGNEE, it applications for ASSIGNEE, it	tes Letters Patent which may be granted to in-part thereof, and the right to all bene a said ASSIGNEE, for its interest as ASS attorneys of record in said application shall the undersigned hereby agrees to transland obtaining original, divisional, reissue to successors, assigns and legal representator patent based thereon, growing out of	herefore fits unde fGNEE, II hereaff sfer a li d or exte tives, and or relate	States Commissioner of Patents and Trademarks to issue any and and any and all extensions, divisions, reissues, continuations, or at the International Convention for the Protection of Industrial its successors, assigns and legal representatives; the undersigned ter act on behalf of said ASSIGNEE; ke interest, and to render all necessary assistance in making ended Letters Patent of the United States, upon request of the said d without further remuneration, in and to any improvements, and d to the said invention; and to execute any papers by the said emed essential to ASSIGNEE's full protection and title in and to
	ne date indicated aside my signature:		
n Han	*11/2		
Name: Harr	i Valpola,		Le(3-01-78 Date
Name: Harr	i Valpola		Date
Name: Harr 2) Name: Tuon			
2)			Date 2013-01-29
2) Name: Tuon			Date 2013 + 0 { - 25} Date
2) Name: Tuon 3) Name: 4)			Date 2013 - 01 - 21) Date

PATENT REEL: 029729 FRAME: 0376