# Electronic Version v1.1

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	Y DATA			
		Name	Execution Date	
Wang Kongqiao			11/21/2006	
Roope Takala			11/15/2006	
Yikai Fang			11/20/2006	
Hanqing Lu			11/20/2006	
Qingshan Liu			11/22/2006	
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State/Country:	FINLAND			
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Property <sup>-</sup>	Туре	Numbe	er	
Application Number	: 11	1536373	373	
CORRESPONDENC Fax Number: <i>Correspondence will</i> Phone:	(704)444-1	ail when the fax attempt is unsuccessf	ful.	
Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	e: Alston & Bi 101 S. Tryo Bank of An	-		
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Correspondent Name Address Line 1: Address Line 2: Address Line 4:	e: Alston & Bi 101 S. Tryo Bank of An Charlotte, I T NUMBER:	ird LLP on Street, Suite 4000 nerica Plaza NORTH CAROLINA 28280-4000		

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Assignment of Rights, Title (Multiple inventors	and Interest in Invention ; single assignee)	Docket No. 893-012675-US (PAR)		
This is an Assignment of the following rights.	title and interest: (check all that apply):			
United States of America rights,	title and interest in the invention			
Foreign rights, title and interest				
United States Patent Application				
Date of Execution;	Date of Filing: 09/28/2006			
United States Provisional Patent				
United States Patent No(s).				
	ication Serial Nn.			
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itle of the Invention	TURED FROM CAMERA			
wentors (assignors)				
Name	Address			
Wang KONGQIAO	Wu Yi Garden, Mu Dan Garden 3-83-5A, Beijing, PRC	Tong Zhou District, 10117,		
Roope TAKALA	Rorstrandinkatu 4 C 39, 00560 Helsinki, F	inland		
Yikai FANG	National Lab of Pattern Recognition, Chinese Academy of Sciences.			
	No. 95 Zhongguancum East Road, Beijing 100080, PR, China Bei Yi Tiao 5-4-601, Zhoong Guan Cun, Beijing 100080, China			
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Name	Address			
	Keilalahdentie 4 FIN-02150 Espoo			

[Page 1 of 2 ]

ASOTAREVO?

#### Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee:

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other henefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

	Name	Signature/Date
Wang KONGQIAO	······································	/2n/k 2006. 11. 2/
Roope TAKALA	······································	
Yikai FANG	··· · · · · · · · · · · · · · · · · ·	-55-FN / Mor. 20, 20%
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Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

[Page 2 of 2 ]

Assignment of Rights. Title a (Multiple inventors;		Docket No. 893-012675-US (PAR)	
This is an Assignment of the following rights, th	itle and interest; (check all that apply):		
Duited States of America rights, th	itle and interest in the invention		
Foreign rights, title and interest in			
United States Patent Application 5			
Date of Execution:	Date of Filing: 09/28/2006		
L United States Provisional Patent A			
United States Patent No(s).			
International (PCT) Patent Applic	ation Serial No.		
Other (specify)			
itle of the Invention	· · · · · · · · · · · · · · · · · · ·		
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Name	Address		
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	Beijing, PRC		
Roope TAKALA	Rorstrandinkatu 4 C 39, 00560 Helsinki, F	inland	
fikai FANG	National Lab of Pattern Recognition, Chin		
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tanging LU	Bei Yi Tiao 5-4-601, Zhoong Guan Cun, Beijing 100080, China		
Jingshan LIU	No 95 Zhong Guancun East Road, Beijing		
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	Page 1 of 2 1		

### **REEL: 026754 FRAME: 0705**

## Assignment of Rights, Title and Interest in Invention (Multiple inventors: single assignee)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention"):

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignce;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

	Name				Signature/Date	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
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			Page 2 of 2	BE	FL · 026754 F	

- - 		e and Interest in Invention rs; single assignee)	Docket No. 893-012675-US (PAR)
This is an A	ssignment of the following right	ts, title and interest: (check all that apply):	
	United States of America right	ts, title and interest in the invention	
1	Foreign rights, title and intere	st in the invention	
	United States Patent Application	on Serial No. 11/536,373	
	Date of Execution:	Date of Filing: 09/28/2006	
	United States Provisional Pate	nt Application Serial No.	9885 - 1 May 11 - 1
	United States Patent No(s).		
]	International (PCT) Patent Ap	plication Serial No.	en ved Annu men sources - 2012 - 2012 - 2014 - 2014 - 2014 - 2014 - 2014 - 2014 - 2014 - 2014 - 2014 - 2014 - 2
	Other (specify)		
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	Name	Address	and a standard and a
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vvany NON		Wu Yi Gerden, Mu Dan Garden 3-83-5A, Beijing, PRC	Tong Zhou District, 10117,
Roope TAK		Beijing, PRC	
	ALA	Beijing, PRC Rorstrandinkatu 4 C 39, 00560 Helsinki, F	inland
Roope TAK	ALA	Beijing, PRC Rorstrandinkatu 4 C 39, 00560 Helsinki, F National Lab of Pattern Recognition, Chine	inland ese Academy of Sciences,
Roope TAK	ALA 3	Beijing, PRC Rorstrandinkatu 4 C 39, 00560 Helsinki, F National Lab of Pattern Recognition, Chine No. 95 Zhongguancum East Road, Beijing	inland ese Academy of Sciences, 100080, PR, China
Roope TAK Yikai FANG	ALA	Beijing, PRC Rorstrandinkatu 4 C 39, 00560 Helsinki, F National Lab of Pattern Recognition, Chine	inland ese Academy of Sciences, 100080, PR, China eijing 100080, China
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Roope TAK Yikai FANG Hanqing LU	ALA	Beijing, PRC Rorstrandinkatu 4 C 39, 00560 Helsinki, F National Lab of Pattern Recognition, Chine No. 95 Zhongguancum East Road, Beijing Bei Yi Tiao 5-4-601, Zhoong Guan Cun, Be	inland ese Academy of Sciences, 100080, PR, China eijing 100080, China
Roope TAK Yikai FANG Hanqing LU Qingshan Li	ALA Name	Beijing, PRC Rorstrandinkatu 4 C 39, 00560 Helsinki, F National Lab of Pattern Recognition, Chine No. 95 Zhongguancum East Road, Beijing Bei Yi Tiao 5-4-601, Zhoong Guan Cun, Be	inland ese Academy of Sciences, 100080, PR, China eijing 100080, China

[Page 1 of 2 ]

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Assignment of Rights, Title and Interest in Invention		Docket N
(Multiple inventors: single assignee)	1	893-012675-US

¥о. S (PAR)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

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Name	Signature/Date
Vang KONGQIAO	annainean an the state of the
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Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

[Page 2 of 2 ]

PATENT **REEL: 026754 FRAME: 0708** 

## **RECORDED: 08/16/2011**