503546819 10/29/2015

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MURAT BIRINCI	05/03/2013
RADU BILCU	05/08/2013
KEMAL UGUR	05/03/2013

RECEIVING PARTY DATA

Name:	NOKIA CORPORATION	
Street Address:	KEILALAHDENTIE 4	
City:	ESPOO	
State/Country:	FINLAND	
Postal Code:	02150	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14888077

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 510-303-9002

Email: jacqueline.linebarger@nokia.com

Correspondent Name: NOKIA USA, INC

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Address Line 2: ATTN: INTELLECTUAL PROPERTY
Address Line 4: SUNNYVALE, CALIFORNIA 94086

ATTORNEY DOCKET NUMBER: NC80894-US-PCT

NAME OF SUBMITTER: JACQUELINE LINEBARGER

SIGNATURE: /jacqueline linebarger/

DATE SIGNED: 10/29/2015

Total Attachments: 6

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PATENT 503546819 REEL: 036918 FRAME: 0177

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I'm The ACCIONODICS

ASSIGNMENT - WORLDWIDE

iwe, (The AS	SignOn(S)):
Murat Birinci	
(Full name of	the Inventor)
Radu Bilcu	
(Full name of	the Inventor)
Kemal Ugur	the Inventor)
(Full name of	the Inventor)
	valuable consideration, the receipt and sufficiency of which are hereby acknowledged, to (hereafter referred to as The ASSIGNEE):
Nokia Corpora	
Keilalahdentie FI-02150 Esp	
Finland.	
An invention of	entitled (invention Title):
METHOD, AF OBJECTS IN	PARATUS AND COMPUTER PROGRAM PRODUCT FOR SEGMENTATION OF IMAGES
<u>X</u>	RIGHTS referred to in this agreement are: a PCT Application No. PCT/FI2013/050486 filed on 3 May 2013 ion, executed by the ASSIGNOR(S)
X	U.S. Patent Application Serial No. 14/888077 , filed October 29, 2015
nara.	U.S. Patent No, issued
	RIGHTS assigned under this agreement are: U.S. Patent rights
<u>X</u> X	worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any Patent Application identified above.
The ASSIGN	OR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns
	the full and exclusive right to the invention;
	an equal interest in and to the entire right, title and interest in and to the PATENT e invention, all continuations, continuations-in-part, divisionals, re-issues, and re- patents and patent applications; and
applications f	the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign or this invention.
Patent to the	As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) rize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and se sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any

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and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

Further, I/We authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

Each Inventor: Please sign and date below:	
[Murat Birinci]	May 03, 2013 Date
Witness Signature Printed Name	Date
[Radu Bilcu]	Date
Witness Signature Printed Name	Date
[Kemal Ugur]	Date
Witness Signature Printed Name	Date

ASSIGNMENT - WORLDWIDE

I/we, (The AS	SIGNOR(S)):
Murat Birinci	
(Full name of	the Inventor)
Radu Bilcu (Full name of	the Inventor)
Kemal Ugur (Full name of	the inventor)
For good and hereby assign	valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it to (hereafter referred to as The ASSIGNEE):
Nokia Corpor Keilalahdentie FI-02150 Esp Finland.	9.4
An invention	antisted (invention Title):
	antitled (invention Title):
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annum y	U.S. Patent No, issued
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The ASSIGN	OR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns
	the full and exclusive right to the invention;
	an equal interest in and to the entire right, title and interest in and to the PATENT e invention, all continuations, continuations-in-part, divisionals, re-issues, and re-patents and patent applications; and
applications fo	the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign or this invention.
	As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) rize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any

interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

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and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

Further, I/We authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

[Murat Birinci] D	ate
Witness Signature Printed Name	Date
[Radu Bilcu]	08.05.2013 Date
Jind Julkeurun Witness Signature Printed Name TIMO TUHKUNF	<u>08.05.2013</u> Date
[Kemal Ugur]	Date
Witness Signature Printed Name	Date

ASSIGNMENT - WORLDWIDE

I/we, (The AS	SIGNOR(S)):				
Murat Birinci (Full name of	the Inventor)				
<u>Radu Bilcu</u> (Full name of	the Inventor)	namo.			
Kemal Ugur (Full name of	the Inventor)				
For good and hereby assign	valuable consideratior to (hereafter referred	n, the receipt and to as The ASSIG	sufficiency of wi SNEE):	hich are hereby acknowledged	l,
Nokia Corpora Keilalahdentie FI-02150 Esp Finland.	4				
An invention	entitled (invention Title):			
METHOD, AF OBJECTS IN		IPUTER PROGF	IAM PRODUCT	FOR SEGMENTATION OF	
X	RIGHTS referred to in a PCT Application Notion, executed by the A	 o. PCT/FI2013/6 	are: 050486 filed on 3	3 May 2013	
X	U.S. Patent Applicati	ion Serial No. <u>14</u>	/888077	, filed October 29, 2015	
	U.S. Patent No		, issued		
The PATENT X	RIGHTS assigned ur U.S. Patent rights worldwide Patent rig benefit of the filing d	hts. In this case,	the assignee sha	all have the right to claim the tified above.	
The ASSIGN	OR(S) do hereby assi	gn the following t	o each ASSIGNE	EE; their successors and assiç	jns:
	the full and exclusive	e right to the inve	ntion;		
RIGHTS in the	an equal interest in a le invention, all contine patents and patent ap	uations, continua	right, title and inti tions-in-part, divi	erest in and to the PATENT sionals, re-issues, and re-	
applications	the right to claim prider this invention.	ority under 35 U.	S.C. § 119, base	d on any earlier foreign	
Patent to the	rize(s) and request(s) ASSIGNEE(S) as the	the Commission	er of Patents and of an equal intere	Agreement, the ASSIGNOR(d Trademarks to issue all Lette st in the entire right, title and successors and assigns.	S)

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any

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and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

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Each Inventor: Please sign and date I	below:	
[Murat Birinci]	Date	
Witness Signature Printed Name	***************************************	Date
[Radu Bilcu]		
Witness Signature Printed Name	- · · ·	Date Section 1997
[Kerhar Ogur]		May 03 2013
Williams Signature		May 03 2013