

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7067572

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NOKIA TECHNOLOGIES OY	06/27/2019
RECEIVING PARTY DATA		
Name:	MAGIC LEAP, INC.	
Street Address:	7500 W. SUNRISE BLVD.	
City:	PLANTATION	
State/Country:	FLORIDA	
Postal Code:	33322	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17516483
CORRESPONDENCE DATA		
Fax Number:	(650)472-9016	
<i>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.</i>		
Phone:	6508233835	
Email:	ariana@matterlightip.com	
Correspondent Name:	STEPHEN M. DE KLERK	
Address Line 1:	MATTERLIGHT IP	
Address Line 2:	2033 GATEWAY PLACE, 5TH FLOOR	
Address Line 4:	SAN JOSE, CALIFORNIA 95110	
ATTORNEY DOCKET NUMBER:	MGLP-P023C2-2	
NAME OF SUBMITTER:	STEPHEN M. DE KLERK	
SIGNATURE:	/Stephen M. De Klerk/	
DATE SIGNED:	12/10/2021	
Total Attachments: 10		
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Assignment of Patent Rights

This Assignment shall be effective as of March 13, 2019 (the "Effective Date").

For good and valuable consideration in the sum of one Dollar (\$1.00), the receipt of which is hereby acknowledged, **Nokia Technologies Oy**, corporation organized under the laws of Finland, having registered offices at Karaportti 3, 02610 Espoo, Finland ("**Assignor**"), does hereby sell, assign, transfer, and convey unto **Magic Leap, Inc.**, a corporation organized under the laws of the State of Delaware, having its registered offices at 7500 W. Sunrise Blvd., Plantation, FL 33322, United States ("**Assignee**"), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**");

- (a) the provisional patent applications, patent applications and patents listed in the table below in Exhibit 1 (the "**Patents**");
- (b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- (c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);
- (d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents above and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e);
- (g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for (1) damages, (2) injunctive relief, and (3) any other remedies of any kind for past, current, and future infringement; and
- (i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h), however, the Patent Rights do not include, and Assignor and/or its affiliates retain, all rights to collect royalties, license fees, and

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BETWEEN NOKIA TECHNOLOGIES AND MAGIC LEAP

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other amounts under license agreements or other contracts to which Assignor and/or any of its affiliates is a party, and that have been entered into prior to the below date, even if such amounts are attributable to the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The Patent Rights are assigned subject to existing encumbrances.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, each of the Parties has caused this Assignment to be executed by its duly authorized representatives as of the Effective Date.

ASSIGNOR:

Nokia Technologies Oy

By: [Signature]
Name: Jan Sandström
Authorized Signatory
Title: _____

Nokia Technologies Oy

By: [Signature]
Name: Hanna Nuortila
Director, Legal & Compliance
Title: _____

ASSIGNEE:

Magic Leap, Inc.

By: [Signature]
Name: David Lurdmark
Title: Chief Patent Officer

This is to certify that Jan Sandström and Hanna Nuortila
~~are~~ are legally authorized to sign on behalf of

Nokia Technologies Oy
and ~~she/he has~~ they have signed this document.
Helsinki Ex officio:

27-06-2019



TONI RUOTSALAINEN
henkilökirjailija, julkinen notaari
häradskrivare, notarius publicus
District Registrar, Notary Public

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Exhibit 1: Patents

Family	Title	Country	Filing Date	Application No.	Grant Date	Patent Number
NC101598	Wide field of view exit pupil expander optics	US	12/15/2017	15/843258		
NC101598	Wide field of view exit pupil expander optics	EP	12/30/2016	16207441.3		
NC102693	Control of color space in exit pupil expanders (EPEs)	US	7/26/2017	15/659732		
NC19441	Color correction for a window display	US	9/19/2003	10/666926	2/27/2007	7184615
NC19949	Window Display with Layered Structure	US	9/30/2002	10/261236	10/19/2004	6805490
NC19949	Window Display with Layered Structure	JP	12/28/2007	2007-340491	1/11/2013	5175086
NC19949	Window Display with Layered Structure	CN	9/29/2003	03823309.6	3/18/2009	03823309.6
NC19981	Method of Balancing Diffraction Efficiency	US	12/12/2003	10/538972	1/27/2009	7483604
NC19981	Method of Balancing Diffraction Efficiency	NL	12/12/2003	03778372.7	7/9/2014	1573369
NC19981	Method of Balancing Diffraction Efficiency	KR	12/12/2003	2005-7011005	1/9/2007	669162
NC19981	Method of Balancing Diffraction Efficiency	JP	12/12/2003	2004-560539	5/14/2010	4510639
NC19981	Method of Balancing Diffraction Efficiency	DE	12/12/2003	03778372.7	7/9/2014	60346456.4
NC19981	Method of Balancing Diffraction Efficiency	CN	12/12/2003	200380106348.9	5/12/2010	200380106348.9
NC37071	Maximizing diffraction efficiency in the coupling grating of a window type display	US	5/11/2004	10/843875	2/20/2007	7181108
NC37143	Virtual Display with multiple diffractive elements	US	12/13/2004	11/011480	4/17/2007	7206107
NC37143	Virtual Display with multiple diffractive elements	TW	12/8/2005	94143308	2/1/2014	1425254
NC37143	Virtual Display with multiple diffractive elements	NL	12/7/2005	05849360.2	8/20/2014	1825318
NC37143	Virtual Display with multiple diffractive elements	DE	12/7/2005	05849360.2	8/20/2014	602005044557.9
NC37143	Virtual Display with multiple diffractive elements	CN	12/7/2005	200580046876.9	8/26/2009	200580046876.9
NC37364	Diffractive Exit Pupil Extender	US	8/11/2005	11/202653	7/27/2010	7764413

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Family	Title	Country	Filing Date	Application No.	Grant Date	Patent Number
NC37364	Diffraction Exit Pupil Extender	JP	12/12/2005	2007-545014	9/28/2012	5096160
NC37364	Diffraction Exit Pupil Extender	DE	12/12/2005	05850693.2	5/22/2013	602005039751.5
NC37364	Diffraction Exit Pupil Extender	CN	12/12/2005	200580046877.3	5/27/2009	200580046877.3
NC44566	DIFFRACTIVE EXIT PUPIL EXTENDER WITH NEAR FOCUS	TW	12/8/2005	94143309	2/1/2014	1425248
NC44566	DIFFRACTIVE EXIT PUPIL EXTENDER WITH NEAR FOCUS	NL	12/13/2004	04801374.2	4/4/2012	1825306
NC44566	DIFFRACTIVE EXIT PUPIL EXTENDER WITH NEAR FOCUS	JP	12/13/2004	2007-545002	5/18/2012	4995732
NC44566	DIFFRACTIVE EXIT PUPIL EXTENDER WITH NEAR FOCUS	GB	12/13/2004	04801374.2	4/4/2012	1825306
NC44566	DIFFRACTIVE EXIT PUPIL EXTENDER WITH NEAR FOCUS	FR	12/13/2004	04801374.2	4/4/2012	1825306
NC44566	DIFFRACTIVE EXIT PUPIL EXTENDER WITH NEAR FOCUS	DE	12/13/2004	04801374.2	4/4/2012	602004037214.5
NC44566	DIFFRACTIVE EXIT PUPIL EXTENDER WITH NEAR FOCUS	CN	12/13/2004	200480044587.0	7/4/2012	200480044587.0
NC49784	GENERAL DIFFRACTIVE OPTICS METHOD FOR EXPANDING THE EXIT PUPIL	JP	6/3/2005	2008-514610	8/13/2010	4567786
NC49784	GENERAL DIFFRACTIVE OPTICS METHOD FOR EXPANDING THE EXIT PUPIL	DE	6/3/2005	05757104.4	8/15/2012	602005035666.5
NC49784	GENERAL DIFFRACTIVE OPTICS METHOD FOR EXPANDING THE EXIT PUPIL	CN	6/3/2005	200580051151.9	5/26/2010	200580051151.9
NC49937	ROBUST CORNEAL REFLECTION EYE-TRACKER	DE	1/26/2006	06701396.1	10/26/2016	602006050688.0
NC49937	ROBUST CORNEAL REFLECTION EYE-TRACKER	NL	1/26/2006	06701396.1	10/26/2016	1983884
NC49937	ROBUST CORNEAL REFLECTION EYE-TRACKER	ES	1/26/2006	06701396.1	10/26/2016	1983884
NC49937	ROBUST CORNEAL REFLECTION EYE-TRACKER	GB	1/26/2006	06701396.1	10/26/2016	1983884
NC49937	ROBUST CORNEAL REFLECTION EYE-TRACKER	CN	9/29/2015	201510633762.X	4/26/2017	201510633762.X
NC49937	ROBUST CORNEAL REFLECTION EYE-TRACKER	US	1/26/2006	12/223245	1/29/2013	8360578
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	US	4/3/2007	12/227730	11/20/2012	8314993
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	TW	4/17/2007	96113454	12/21/2014	1465767

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Family	Title	Country	Filing Date	Application No.	Grant Date	Patent Number
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	RU	4/3/2007	2008151730	2/27/2011	2413268
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	JP	4/3/2007	2009-512693	3/8/2013	5215294
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	IN	4/3/2007	9309/DELNP/2008	4/3/2017	282308
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	CN	4/3/2007	200780020123.X	9/22/2010	200780020123.X
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	EP	4/3/2007	07734196.4	2/27/2019	2024777
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	DE	4/3/2007	07734196.4	2/27/2019	2024777
NC52800	CHEVRON SHAPE EXIT PUPIL EXPANDER	NL	4/3/2007	07734196.4	2/27/2019	2024777
NC52801	IMPROVED COLOR DISTRIBUTION IN STACKED EXIT PUPIL EXPANDER (EPE) SYSTEM	US	8/24/2012	13/594060	10/1/2013	8547638
NC52801	IMPROVED COLOR DISTRIBUTION IN STACKED EXIT PUPIL EXPANDER (EPE) SYSTEM	US	6/2/2006	12/227738	8/28/2012	8254031
NC52801	IMPROVED COLOR DISTRIBUTION IN STACKED EXIT PUPIL EXPANDER (EPE) SYSTEM	TW	4/11/2007	96112694	9/1/2011	1348032
NC52801	IMPROVED COLOR DISTRIBUTION IN STACKED EXIT PUPIL EXPANDER (EPE) SYSTEM	RU	6/2/2006	2008151729	1/27/2011	2410736
NC52801	IMPROVED COLOR DISTRIBUTION IN STACKED EXIT PUPIL EXPANDER (EPE) SYSTEM	DE	6/2/2006	06755936.9	8/21/2013	602006037984.6
NC52801	IMPROVED COLOR DISTRIBUTION IN STACKED EXIT PUPIL EXPANDER (EPE) SYSTEM	CN	6/2/2006	200680054813.2	10/27/2010	200680054813.2
NC52805	STEREOSCOPIC NEAR TO EYE DISPLAY	US	6/2/2006	12/227728	6/18/2013	8466953
NC52805	STEREOSCOPIC NEAR TO EYE DISPLAY	CN	6/2/2006	200680054812.8	5/4/2011	200680054812.8
NC52805	STEREOSCOPIC NEAR TO EYE DISPLAY	EP	6/2/2006	06765457.4		
NC53279	Beam Expander	US	9/28/2006	12/443475	11/26/2013	8593734
NC53279	Beam Expander	CN	9/28/2006	200680055973.9	2/15/2012	200680055973.9
NC53279	Beam Expander	FR	9/28/2006	06820764.6	12/20/2017	2076813
NC53544	A METHOD TO EXPAND THE EXIT PUPIL VERTICALLY	US	12/28/2006	12/521577	4/17/2012	8160411
NC53544	A METHOD TO EXPAND THE EXIT PUPIL VERTICALLY	CN	12/28/2006	200680056879.5	6/29/2011	200680056879.5

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Family	Title	Country	Filing Date	Application No.	Grant Date	Patent Number
NC56636	VERTICAL EXPANSION OF THE NEAR FOCUS EPE	US	6/4/2007	12/602561	11/27/2012	8320032
NC56636	VERTICAL EXPANSION OF THE NEAR FOCUS EPE	CN	6/4/2007	200780053697.7	12/7/2011	200780053697.7
NC56636	VERTICAL EXPANSION OF THE NEAR FOCUS EPE	EP	6/4/2007	07730809.6		
NC61144	Integration of gaze tracker and virtual display EPE	FR	2/14/2008	08718518.7	1/13/2016	2242419
NC61144	Integration of gaze tracker and virtual display EPE	DE	2/14/2008	08718518.7	1/13/2016	602008042004.3
NC61144	Integration of gaze tracker and virtual display EPE	NL	2/14/2008	08718518.7	1/13/2016	2242419
NC61144	Integration of gaze tracker and virtual display EPE	PL	2/14/2008	08718518.7	1/13/2016	2242419
NC61144	Integration of gaze tracker and virtual display EPE	ES	2/14/2008	08718518.7	1/13/2016	2242419
NC61144	Integration of gaze tracker and virtual display EPE	GB	2/14/2008	08718518.7	1/13/2016	2242419
NC61144	Integration of gaze tracker and virtual display EPE	US	2/14/2008	12/866427	7/23/2013	8494229
NC61144	Integration of gaze tracker and virtual display EPE	CN	2/14/2008	200880126761.4	9/25/2013	200880126761.4
NC61707	Horizontal exit-pupil expansion of near-focus images using diffractive EPE with spherical shape	US	12/17/2007	12/746226	9/9/2014	8830584
NC61707	Horizontal exit-pupil expansion of near-focus images using diffractive EPE with spherical shape	NL	12/17/2007	07849027.3	8/29/2012	2229603
NC61707	Horizontal exit-pupil expansion of near-focus images using diffractive EPE with spherical shape	KR	12/17/2007	2010-7015564	7/23/2012	1169446
NC61707	Horizontal exit-pupil expansion of near-focus images using diffractive EPE with spherical shape	DE	12/17/2007	07849027.3	8/29/2012	602007025183.4
NC61751	Diffractive EPE with improved field-of-view and illumination uniformity	DE	12/18/2007	07859085.8	4/22/2015	602007041191.2
NC61751	Diffractive EPE with improved field-of-view and illumination uniformity	US	12/18/2007	12/745793	8/13/2013	8508848
NC68566	Alignment of NED Optics	US	6/2/2009	12/455531	5/6/2014	8717392
NC68566	Alignment of NED Optics	CN	4/15/2010	201080024424.1	8/3/2016	201080024424.1
NC68566	Alignment of NED Optics	DE	4/15/2010	112010002211.9		
NC69206	Optical system with vertical expansion for Near to Eye displays using EPE plates	US	6/30/2009	12/494719	6/5/2012	8194325

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Family	Title	Country	Filing Date	Application No.	Grant Date	Patent Number
NC69206	Optical system with vertical expansion for Near to Eye displays using EPE plates	KR	5/26/2010	2011-7031132	3/25/2014	1380105
NC69206	Optical system with vertical expansion for Near to Eye displays using EPE plates	CN	5/26/2010	201080029426.X	12/9/2015	201080029426.X
NC69206	Optical system with vertical expansion for Near to Eye displays using EPE plates	EP	5/26/2010	10793707.0		
NC71550	Accommodation layered near-to-eye display	US	3/12/2010	13/634080	9/19/2017	9766381
NC71553	Singe substrate multicolor exit-pupil expander for light guide based near-to-eye displays	US	3/4/2010	13/581847	9/5/2017	9753297
NC78897	Display Illuminatin Lightguide	US	8/7/2012	13/568599	12/16/2014	8913324
NC81205	Peripheral view recovery light guide for near-eye displays	US	4/18/2013	13/865422	7/21/2015	9086568
NC86730	Inverse grating structures	EP	4/7/2015	15162521.7		
NC86730	Inverse grating structures	US	3/21/2016	15/564517		
NC86734	Combined RGB+IR illumination for a highly integrated NED+GT system	JP	2/5/2016	2017-542913		
NC86734	Combined RGB+IR illumination for a highly integrated NED+GT system	US	2/5/2016	15/552897		
NC86734	Combined RGB+IR illumination for a highly integrated NED+GT system	EP	2/26/2015	15156666.8	10/3/2018	3062142
NC86734	Combined RGB+IR illumination for a highly integrated NED+GT system	DE	2/26/2015	15156666.8	10/3/2018	602015017347.3
NC86734	Combined RGB+IR illumination for a highly integrated NED+GT system	NL	2/26/2015	15156666.8	10/3/2018	3062142

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TRANSLATION OF THE EXTRACT FROM THE TRADE REGISTER, ELECTRONIC

10.05.2019 11:18:43 the details in the register

Identifiers

Name	Nokia Technologies Oy
Business ID	2655044-9
Entered in the register	26.11.2014
Company type	Limited company
Contact details:	
Postal address	PL 226 00045 Nokia Group
Street address	Karaportti 3 02610 Espoo
Telephone	010 44 88 000
Home page address	www.nokia.com

Name details

Name	Nokia Technologies Oy
Parallel company name	Nokia Technologies Ltd

Registered office Helsinki

Share capital

Share capital	2.500,00 €
Number of shares	100 pcs

Financial period

Financial period	01.01 - 31.12
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Financial statements

The last financial statements submitted	01.01.2017 - 31.12.2017
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Representation

Statutory representation:

Under the law, the Board of Directors represents the company.

Representation based on position:

By the Chair of the Board and the Managing Director, each on their own, and by any two Board members jointly

Persons

role	surname, first name(s) / company name	date of birth / identity code	citizenship
Chair of the Board of Directors	Lukander, Jenni Karoliina	20.05.1974	Citizen of Finland
Member of the Board of Directors	Hakoranta, Eeva Kaarina	21.07.1964	Citizen of Finland
Member of the Board of Directors	James, Ulla Maaret	13.08.1960	Citizen of Finland
Member of the Board of Directors	Uskela, Sami Tapio	20.06.1975	Citizen of Finland
Holder of a procuration	Ainasto, Riikka-Leena	14.11.1975	Citizen of Finland
Holder of a procuration	Alvinen, Jari Tapio	21.08.1961	Citizen of Finland
Holder of a procuration	Anttila, Mika Untamo	27.07.1962	Citizen of Finland
Holder of a procuration	Gray, Robert Martin	20.11.1969	Citizen of the United States
Holder of a procuration	Hakoranta, Eeva Kaarina	21.07.1964	Citizen of Finland
Holder of a procuration	Honkasalo, Harri Tapani	01.12.1961	Citizen of Finland
Holder of a procuration	Huopaniemi, Jyri Petteri	08.08.1968	Citizen of Finland
Holder of a procuration	Hyvärinen, Leena Johanna	19.02.1982	Citizen of Finland
Holder of a procuration	Laakso, Janne Tapio	07.11.1973	Citizen of Finland
Holder of a procuration	Leväjärvi, Merja Riitta	01.02.1977	Citizen of Finland
Holder of a procuration	London, Sonja Aurora	08.02.1975	Citizen of Finland
Holder of a procuration	Lukander, Jenni Karoliina	20.05.1974	Citizen of Finland
Holder of a procuration	Martikainen, Piia Susanna	17.04.1976	Citizen of Finland
Holder of a procuration	Melin, Paul Henry Kristian	02.03.1973	Citizen of Finland
Holder of a procuration	Möttönen, Aura Helena	23.09.1978	Citizen of Finland
Holder of a procuration	Nihtilä, Jukka Rainer	11.04.1964	Citizen of Finland
Holder of a procuration	Nuortila, Hanna-Liisa	27.04.1959	Citizen of Finland
Holder of a procuration	Puranen, Kari Kalevi	06.01.1957	Citizen of Finland
Holder of a procuration	Riekkinen, Sannamari	04.12.1966	Citizen of Finland
Holder of a procuration	Rouhesmaa, Antti Jussi	27.07.1965	Citizen of Finland
Holder of a procuration	Sandström, Jan Mikael	02.11.1962	Citizen of Finland
Holder of a procuration	Savikurki, Hanna Annukka	27.02.1968	Citizen of Finland

Holder of a procuration	Soininen, Teemu Pekka	25.02.1972	Citizen of Finland
Holder of a procuration	Taponen, Teo Eerik	30.01.1972	Citizen of Finland
Holder of a procuration	Tiusanen, Mikko Tuomas	27.10.1977	Citizen of Finland
Holder of a procuration	Vaquer, Jérémie	03.05.1975	Citizen of France

Representation by the holders of a procuration as follows: by two jointly, or by any of them jointly with any Board member.

Auditor	PricewaterhouseCoopers Oy	0486406-8	
Auditor with principal responsibility	Karppinen, Pasi Antero	27.07.1971	Citizen of Finland

Name history

Nokia Technologies Oy 26.11.2014 -

Source of information: Finnish Patent and Registration Office