

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7894276

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ELENION TECHNOLOGIES LLC	09/10/2020
RECEIVING PARTY DATA	
Name:	NOKIA SOLUTIONS AND NETWORKS OY
Street Address:	KARAKAARI 7
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 22	
Property Type	Number
Patent Number:	9810840
Patent Number:	10261254
Patent Number:	10502895
Patent Number:	9739938
Patent Number:	10209465
Patent Number:	10514499
Patent Number:	9638859
Patent Number:	10025045
Patent Number:	10495830
Patent Number:	10171176
Patent Number:	10536222
Patent Number:	9543226
Patent Number:	10211121
Patent Number:	9859186
Patent Number:	9806806
Patent Number:	10644806
Patent Number:	10218437
Patent Number:	9806822
Application Number:	16830399
Application Number:	16711723

Property Type	Number
Application Number:	15151797
Application Number:	16838323

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.

Email: ipr.assignments@nokia.com

Correspondent Name: NOKIA OF AMERICA CORPORATION

Address Line 1: 600-700 MOUNTAIN AVENUE

Address Line 4: MURRAY HILL, NEW JERSEY 07974-0636

ATTORNEY DOCKET NUMBER:	ELENIONTECHLLC-NSN (MTP)
NAME OF SUBMITTER:	MARY T. POREMBA
SIGNATURE:	/Mary T. Poremba/
DATE SIGNED:	04/11/2023

Total Attachments: 11

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PATENT ASSIGNMENT

This Assignment is effective as of 10 September 2020 (the "Effective Date") by and between

ELENION TECHNOLOGIES LLC (formerly known as "Coriant ATG Corporation"), a corporation organized under the laws of Delaware, having registered offices at 600 Mountain Avenue, Murray Hill, NJ 07974, U.S. (hereinafter "Assignor") and **NOKIA SOLUTIONS AND NETWORKS OY**, a corporation organized under the laws of Finland, having its registered office at Karakaari 7, 02610 Espoo, Finland (hereinafter "Assignee").

WHEREAS, Assignor is the owner of certain patents and patent applications, which Assignor wishes to assign to Assignee and Assignee wishes to accept, as more particularly described in Attachment 1 (hereinafter "the Assigned Patents"), incorporated herein by reference;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and conveys to Assignee, and its successors and assigns, all right, title, and interest in and to (a) each of the Assigned Patents listed in Attachment 1 hereto (including all inventions and discoveries claimed or otherwise disclosed therein); (b) all reissues, re-examinations, continuations, parents, continuations-in-part, divisionals and extensions (collectively "Related Cases") of such Assigned Patents; (c) Assigned Patents (i) to which any or all of the foregoing directly or indirectly claims priority, and (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority; and (d) all Related Cases (whether pending, issued, abandoned or filed in the future) and foreign counterparts to any or all of the foregoing, certificates of invention and equivalent rights worldwide (collectively "Patent Rights"):

In addition, Assignor agrees to and hereby does sell, assign, transfer and convey unto Assignee all rights (i) in and to causes of action and enforcement rights for the Patent Rights including all rights to pursue damages, injunctive relief and other remedies for past, present and future infringement of the Patent Rights, (ii) the right to apply (or continue prosecution) in any and all countries of the world for Assigned Patents, design patents, utility models, certificates of invention or other governmental grants for the Patent Rights, including under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding, and (iii) the rights, if any, to revive prosecution of any abandoned Patent Rights.

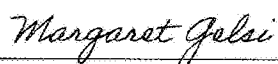
Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all Assigned Patents or certificates of invention or equivalent which may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon Assignor, its successors or assigns, and anyone properly designated by them.

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

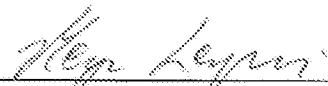
ELENION TECHNOLOGIES LLC

By: 
Name: Ricky Corker
Title: President
Date: Nov. 30, 2021


Name: Margaret G. Gelsi
Title: Secretary
Date: Nov. 30, 2021

NOKIA SOLUTIONS AND NETWORKS OY

By: 
Name: Jari Lehto
Title: Authorized signatory
Date: Dec. 04, 2021


Name: Merja Leväjärv
Title: Authorized Signatory
Date: Dec 07, 2021

Attachment 1

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59314	59314-US-CNT[2]	7.4.2017	15/481,669	9910302
NC59314	59314-US-CNT[4]	24.8.2018	16/111,992	10317710
NC59314	59314-US-CNT[6]	22.1.2018	15/876,623	10120212
NC59314	59314-US-CNT[3]	22.1.2018	15/876,856	10082686
NC59314	59314-US-NP	22.10.2013	14/060,058	9158138
NC59314	59314-US-CNT	31.8.2015	14/840,409	9638942
NC59314	59314-DE-EPT	22.10.2013	13884522.7	602013060829
NC59314	59314-FR-EPT	22.10.2013	13884522.7	2997415
NC59314	59314-JP-PCT	22.10.2013	2016-513918	
NC59314	59314-WO-PCT	22.10.2013	PCT/US2013/066134	
NC59314	59314-MY-PCT	22.10.2013	PI2015704103	
NC59315	59315-US-CNT[2]	9.3.2018	15/916,557	10200143
NC59315	59315-US-NP	15.10.2014	14/514,771	9425919
NC59315	59315-US-CNT	22.7.2016	15/217,152	9941990
NC59315	59315-GB-EPT	15.10.2014	14853262.5	3058627
NC59315	59315-DE-EPT	15.10.2014	14853262.5	602014029327.1
NC59315	59315-CN-PCT	15.10.2014	2014800641780	
NC59315	59315-JP-PCT	15.10.2014	2016-524409	6499170
NC59315	59315-CA-PCT	15.10.2014	2927537	
NC59315	59315-WO-PCT	15.10.2014	PCT/US2014/060625	
NC59316	59316-US-CNT	11.8.2016	15/234,359	9853738
NC59316	59316-US-CNT[3]	22.8.2018	16/108,857	10205531
NC59316	59316-US-CNT[2]	4.12.2017	15/830,351	10084545

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59316	59316-US-NP	10.2.2015	14/618,989	9559779
NC59316	59316-US-CNT[4]	14.12.2018	16/220,203	10320488
NC59316	59316-WO-PCT	10.2.2015	PCT/US2015/015210	
NC59317	59317-US-CNT[7]	31.7.2017	15/664,856	10134938
NC59317	59317-US-CNT[2]	13.12.2016	15/377,294	9812598
NC59317	59317-US-CNT[4]	9.7.2018	16/030,134	10217881
NC59317	59317-US-CNT[3]	4.10.2017	15/724,458	10043927
NC59317	59317-US-NP	10.3.2015	14/644,122	9437759
NC59317	59317-US-CNT[8]	23.10.2018	16/168,249	10411149
NC59317	59317-US-CIP	4.8.2015	14/818,060	9755096
NC59317	59317-US-CNT	9.8.2016	15/231,822	9553222
NC59317	59317-US-CNT[5]	30.11.2018	16/205,580	10529878
NC59317	59317-JP-PCT	10.3.2015	2016-556277	
NC59317	59317-WO-PCT	10.3.2015	PCT/US2015/019769	
NC59317	59317-MY-PCT	10.3.2015	PL2016703007	
NC59318	59318-US-PSP	7.5.2014	61/820,274	
NC59320	59320-WO-PCT	21.8.2015	PCT/US15/46196	
NC59321	59321-US-NP	9.10.2015	14/879,149	9519162
NC59321	59321-US-CNT[2]	8.1.2018	15/864,188	10451903
NC59321	59321-US-CNT	9.11.2016	15/347,202	9874767
NC59321	59321-WO-PCT	9.10.2015	PCT/US2015/054955	
NC59321	59321-US-CNT[3]	13.9.2019	16/569,893	
NC59322	59322-US-CNT[2]	16.5.2018	15/981,518	10598876
NC59322	59322-US-NP	27.10.2015	14/924,172	9500821

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NC59322	59322-US-CNT	18.10.2016	15/296,709	9989715
NC59322	59322-DE-EPT	27.10.2015	15854028.6	602015044427.2
NC59322	59322-FR-EPT	27.10.2015	15854028.6	3213133
NC59323	59323-US-REI	1.1.2020	16/211,533	
NC59323	59323-US-NP	3.11.2015	14/931,076	9513437
NC59324	59324-US-CNT	16.8.2016	15/237,833	9831635
NC59324	59324-US-CIP	27.2.2015	14/634,699	9450379
NC59324	59324-US-CIP[2]	14.11.2017	15/811,937	10243328
NC59324	59324-US-NP	20.11.2014	14/549,130	9059559
NC59324	59324-US-CNT[2]	3.11.2017	15/802,812	10205302
NC59324	59324-US-PSP	20.11.2013	61/906,529	
NC59324	59324-CN-PCT	20.11.2014	2014800730680	
NC59325	59325-US-PSP	3.11.2013	61/731,502	
NC59325	59325-US-NP	29.11.2013	14/093,263	9217829
NC59325	59325-US-CNT[3]	1.3.2017	15/446,375	9851503
NC59325	59325-US-CNT[4]	29.11.2017	15/825,266	10185087
NC59325	59325-US-CNT[5]	10.12.2018	16/214,365	
NC59326	59326-US-CNT	13.12.2017	15/840,500	10451804
NC59326	59326-US-NP	19.2.2016	15/048,107	9874696
NC59327	59327-US-NP	25.7.2017	15/659,220	10126498
NC59327	59327-US-CNT	15.10.2018	16/159,956	10520672
NC59328	59328-US-NP	29.6.2015	14/754,105	9606293
NC59328	59328-US-CIP	6.1.2016	14/988,829	9829632
NC59328	59328-US-CNT[2]	14.11.2017	15/812,195	10228514

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59328	59328-US-CNT	10.2.2017	15/429,677	9841561
NC59328	59328-US-CNT[3]	14.11.2017	15/812,441	10261255
NC59328	59328-US-CNT[5]	23.1.2020	16/750,392	
NC59329	59329-US-NP	29.6.2015	14/754,306	9557486
NC59329	59329-US-CNT[4]	13.7.2018	16/034,796	10295748
NC59329	59329-US-CIP	7.1.2016	14/989,850	9739947
NC59329	59329-US-CNT	15.12.2016	15/379,695	9798086
NC59329	59329-US-CNT[3]	19.9.2017	15/708,578	10012795
NC59329	59329-US-CNT[2]	17.7.2017	15/651,454	10048443
NC59329	59329-DE-EPT	29.6.2016	16739628.2	602016027835.9
NC59329	59329-FR-EPT	29.6.2016	16739628.2	3314321
NC59330	59330-US-NP	21.9.2015	14/860,537	10359567
NC59331	59331-US-CNT[2]	18.9.2018	16/134,086	10317623
NC59331	59331-US-CNT	30.11.2017	15/826,897	10101533
NC59331	59331-US-CIP	19.8.2015	14/830,046	9851506
NC59333	59333-US-NP	30.6.2015	14/788,608	9470844
NC59333	59333-US-CNT	25.7.2017	15/659,049	10215920
NC59333	59333-US-CIP	18.11.2015	14/944,562	9746609
NC59333	59333-US-CNT[3]	12.12.2019	16/711,765	
NC59335	59335-US-CNT	13.1.2017	15/405,516	10135536
NC59335	59335-US-NP	9.7.2015	14/794,889	9571200
NC59335	59335-US-CNT[3]	25.10.2018	16/170,850	10469171
NC59336	59336-US-CNT[3]	13.11.2018	16/189087	
NC59336	59336-US-NP	14.7.2015	14/798780	9588298

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59336	59336-US-CNT[2]	24.8.2017	15/685765	10156678
NC59336	59336-US-CNT	27.1.2017	15/418246	9766408
NC59337	59337-US-CNT	19.9.2018	16/135,950	10623108
NC59337	59337-US-NP	3.11.2015	14/931,796	10110318
NC59337	59337-US-CNT[2]	17.1.2020	16/745699	
NC59338	59338-US-PSP	27.2.2015	62/121,686	
NC59339	59339-US-NP[2]	28.9.2015	14/867,513	
NC59339	59339-US-CNT	13.10.2017	15/783263	10222565
NC59339	59339-US-CNT[2]	16.1.2019	16/248963	
NC59339	59339-US-NP	31.3.2016	15/087278	9817197
NC59340	59340-US-NP	18.9.2015	14/858321	9654225
NC59340	59340-US-CNT[2]	9.3.2018	15/916448	10225021
NC59340	59340-US-CNT	14.4.2017	15/488199	9941976
NC59341	59341-US-NP	24.9.2015	14/864760	9871153
NC59341	59341-US-CNT	13.12.2017	15/840026	
NC59342	59342-US-CIP	17.9.2015	14/856,909	9596033
NC59342	59342-US-CNT	31.1.2017	15/420645	9924247
NC59342	59342-US-PSP	21.8.2014	62/040,233	
NC59343	59343-US-NP	19.11.2015	14/945529	9787405
NC59343	59343-US-CNT[2]	12.7.2018	16/033369	10439728
NC59343	59343-US-CNT	14.9.2017	15/704895	10044443
NC59343	59343-US-CNT[4]	28.1.2020	16/774452	
NC59344	59344-US-NP	16.12.2016	15/381388	10401655
NC59345	59345-US-NP	8.2.2017	15/427185	10429313

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59345	59345-US-CNT[2]	26.3.2020	16/830399	
NC59346	59346-US-NP	6.1.2016	14/989436	9810840
NC59346	59346-US-CNT	5.10.2017	15/725450	10261254
NC59346	59346-US-CIP	10.9.2018	16/126864	10502895
NC59347	59347-US-NP	9.12.2015	14/963842	9739938
NC59347	59347-US-CNT	26.7.2017	15/659880	10209465
NC59348	59348-US-NP	19.1.2018	15/875559	10514499
NC59349	59349-US-NP	12.1.2016	14/993460	9638859
NC59349	59349-US-CNT	23.3.2017	15/467,061	10025045
NC59349	59349-US-CNT[2]	20.6.2018	16/013666	10495830
NC59351	59351-US-NP	21.11.2016	15/357,392	10171176
NC59351	59351-US-CNT[2]	12.12.2019	16/711,723	
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NC59352	59352-US-NP	7.10.2015	14/876,933	9543226
NC59352	59352-WO-PCT	4.10.2016	PCT/US2016/055363	
NC59352	59352-US-CNT[2]	29.11.2017	15/826,165	10211121
NC59352	59352-US-CNT	6.12.2016	15/370,307	9859186
NC59353	59353-US-NP	11.5.2016	15/151,797	
NC59353	59353-CA-NP	11.5.2016	2929624	
NC59354	59354-US-NP	7.7.2016	15/203,939	9806806
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NC59354	59354-US-CNT	4.10.2017	15/724,365	10218437
NC59354	59354-US-CNT[3]	2.4.2020	16/838323	
NC59355	59355-US-NP	7.7.2016	15/203,957	9806822

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59355	59355-US-CNT	4.10.2017	15/724,382	10097279
NC59355	59355-US-CNT[3]	5.7.2019	16/503,823	
NC59355	59355-US-CNT[2]	4.9.2018	16/120,779	10389451
NC59356	59356-US-NP	3.2.2017	15/423,843	9946020
NC59356	59356-US-CNT	22.3.2018	15/928,594	10393961
NC59356	59356-EP-EPA	2.2.2018	18154859.5	
NC59356	59356-US-CNT[2]	17.7.2019	16/514,119	
NC59357	59357-US-NP	7.4.2017	15/481,971	10133014
NC59357	59357-US-CNT[2]	31.7.2019	16/528,525	
NC59357	59357-US-CNT	26.10.2018	16/171,917	10409012
NC59358	59358-US-NP	15.3.2017	15/459,066	10509295
NC59358	59358-US-CNT	13.11.2019	16/682,303	
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NC59358	59358-US-CNT[2]	14.11.2019	16/683,451	
NC59359	59359-US-NP	16.3.2017	15/460,335	
NC59359	59359-US-CNT	17.7.2018	16/037,871	
NC59360	59360-US-NP	23.5.2017	15/602,657	10168596
NC59360	59360-US-CNT	28.11.2018	16/202818	10558104
NC59360	59360-US-CNT[2]	6.1.2020	16/734539	
NC59361	59361-US-NP	13.6.2017	15/621149	10345520
NC59362	59362-US-NP	6.12.2017	15/833314	
NC59363	59363-US-NP	21.3.2018	15/927537	10171057
NC59363	59363-US-CNT	27.11.2018	16/200852	10454441
NC59363	59363-US-CNT[3]	3.3.2020	16/807631	

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59364	59364-US-CNT[2]	13.1.2020	16/740,617	10693563
NC59364	59364-US-NP	14.12.2017	15/841789	10205535
NC59365	59365-US-NP	23.2.2018	15/903835	
NC59366	59366-US-NP	9.5.2018	15/975375	10666016
NC59367	59367-US-NP	24.4.2018	15/961254	10466567
NC59367	59367-US-CNT	27.9.2019	16/585362	10831081
NC59368	59368-US-NP	10.9.2018	16/126732	10958230
NC59369	59369-US-NP	24.7.2018	16/043436	
NC59370	59370-US-CNT	2.4.2020	16/838289	11309845
NC59371	59371-US-NP	19.9.2018	16/135914	10498461
NC59371	59371-US-CNT[2]	2.4.2020	16/838171	10931381
NC59373	59373-US-NP	1.2.2019	16/265198	10816740
NC59374	59374-US-NP	1.2.2019	16/265496	
NC59375	59375-US-NP	15.5.2019	16/417788	10742324
NC59376	59376-US-NP	13.6.2019	16/439825	10955691
NC59377	59377-US-NP	23.7.2019	16/519221	10942314
NC59378	59378-US-NP	24.11.2019	16/693328	
NC59379	59379-US-NP	14.2.2020	16/791258	11092745
NC59380	59380-US-NP	28.2.2020	16/804230	
NC59381	59381-US-NP	25.7.2017	15/658,795	10031291
NC59381	59381-US-CNT	26.6.2018	16/018,952	10359571
NC59382	59382-US-NP	12.6.2019	16/438572	10873173
NC59383	59383-US-NP	17.1.2019	16/250002	
NC59384	59384-US-NP	13.12.2017	15/840,223	

Family Code	Case Reference/ Country	File Date	Application No.	Patent No.
NC59385	59385-US-CNT	27.11.2019	16/698156	10989874
NC59386	59386-US-NP	27.12.2017	15/855,242	10670939
NC59386	59386-US-CNT	12.5.2020	16/872703	
NC59387	59387-US-NP	28.2.2019	16/288397	10637584
NC59388	59388-US-NP	12.6.2019	16/439463	10901150
NC59389	59389-US-NP	27.12.2017	15/855,328	10530126
NC59390	59390-US-NP	8.1.2018	15/864,714	10409005
NC59391	59391-US-NP	29.5.2019	16/424580	10944482
NC59392	59392-US-NP	22.6.2018	16/016,158	10461967
NC59392	59392-US-CNT	19.9.2019	16/576,156	10862716
NC59393	59393-US-NP	3.10.2018	16/151,079	
NC59394	59394-US-CNT	2.4.2020	16/838112	
NC59394	59394-US-NP	20.11.2018	16/196,947	10642077
NC59395	59395-US-NP	24.12.2018	16/231744	10901153
NC59396	59396-US-NP	10.8.2020	16/988890	
NC59397	59397-US-NP	10.8.2020	16/988869	