

Receipt date: 03/21/2018

15/105,648 - GAU: 2472

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15105648
	Filing Date		2016-06-17
	First Named Inventor	Faxér	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		4015-9595 / P45698-US2

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

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See attached certification statement.

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A certification statement is not submitted herewith.

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Signature	/ Justin J. Leonard /	Date (YYYY-MM-DD)	2018-03-21
Name/Print	Justin Leonard	Registration Number	60986

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Receipt date: 08/02/2016

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Doc code: IDS
 Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-15)
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U.S.PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	20130163687	A1	2013-06-27	Jing et al.		
	2	20140016549	A1	2014-01-16	Novlan et al.		
	3	20130229980	A1	2013-09-05	Wernersson et al.		
	4	20100223237	A1	2010-09-02	Mishra et al.		

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	ALAMELDEEN, A., et al., "Frequent Pattern Compression: A Significance-Based Compression Scheme for L2 Caches", Technical Report #1500, 2004-05-01, pp. 1-15, University of Wisconsin	
	2	THOMAS, M. et al., "Elements of Information Theory", Chapter 3, Asymptotic Equipartition Property', 2006-01-01, pp. 57-62, Second edition, John Wiley & Sons, Inc.	

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Examiner Signature	/BRIAN D NGUYEN/	Date Considered	03/28/2018
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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Signature	/Justin J. Leonard, Reg. No. 60986/	Date (YYYY-MM-DD)	2016-08-02
Name/Print	Justin Leonard	Registration Number	60986

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	1	20110243098	A1	2011-11-06	Koivisto et al.		
	2	20130163687	A1	2013-06-27	Jing et al.		

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	ERICSSON, "Remaining Details of Codebook Subset Restriction", 3GPP TSG-RAN WG1#83, Anaheim, USA, 2015-11-15, pp. 1-6, R1-157203, 3GPP	
	2	AT&T, "WF on class A and class B CSI reporting for Rel.13 EB FD-MIMO", 3GPP TSG RAN WG1 Meeting #82bis, Malmö, Sweden, 2015-10-05, pp. 1-10, R1-156165, 3GPP	

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Index of Claims 	Application/Control No. 15105648	Applicant(s)/Patent Under Reexamination FAXÉR ET AL.
	Examiner BRIAN D NGUYEN	Art Unit 2472

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47


CLAIM		DATE									
Final	Original	04/12/2018									
	1	-									
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CLAIM		DATE									
Final	Original	04/12/2018									
	37	-									
	38	-									
	39	✓									
	40	=									
	41	✓									
	42	✓									
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Search Notes 	Application/Control No. 15105648	Applicant(s)/Patent Under Reexamination FAXÉR ET AL.
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CPC- SEARCHED		
Symbol	Date	Examiner
H04B7/0469	4/12/18	BN
H04B7/0478	4/12/18	BN
H04B7/0639	4/12/18	BN
H03M7/3068	4/12/18	BN
H03M7/3082	4/12/18	BN

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Search Notes	Date	Examiner
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INTERFERENCE SEARCH			
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BIB DATA SHEET

CONFIRMATION NO. 5548

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
15/105,648	06/17/2016	370	2472	4015-9595 / P45698-US2		
APPLICANTS Telefonaktiebolaget LM Ericsson (publ), Stockholm, SWEDEN;						
INVENTORS Sebastian Faxér, Järfälla, SWEDEN; Mattias Frenne, Uppsala, SWEDEN; Simon Järmyr, Skarpnäck, SWEDEN; George Jöngren, Sundbyberg, SWEDEN; Niklas Wernersson, Solna, SWEDEN;						
** CONTINUING DATA ***** This application is a 371 of PCT/SE2016/050009 01/11/2016 which claims benefit of 62/103,101 01/14/2015						
** FOREIGN APPLICATIONS *****						
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 01/30/2018						
Foreign Priority claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 35 USC 119(a-d) conditions met <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Verified and Acknowledged <u>/BRIAN D NGUYEN/</u> Examiner's Signature		<input type="checkbox"/> Met after Allowance Initials	STATE OR COUNTRY SWEDEN	SHEETS DRAWINGS 14	TOTAL CLAIMS 32	INDEPENDENT CLAIMS 4
ADDRESS COATS & BENNETT, PLLC 1400 Crescent Green, Suite 300 Cary, NC 27518 UNITED STATES						
TITLE Codebook Subset Restriction Signaling						
FILING FEE RECEIVED 2860	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)

Approved for use through 11/30/2020. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	15105648
	Filing Date	2016-06-17
	First Named Inventor	Sebastian Faxer
	Art Unit	2472
	Examiner Name	Brian D. Nguyen
	Attorney Docket Number	4015-9595 / P45698-US2

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	1	20110170638	A1	2011-07-14	Yuan et al.		
	2	20110243098	A1	2011-10-06	Koivisto et al.		
	3	20110249713	A1	2011-10-13	Hammarwall et al.		

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	1							

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15105648
	Filing Date		2016-06-17
	First Named Inventor	Sebastian Faxèr	
	Art Unit	2472	
	Examiner Name	Brian D. Nguyen	
	Attorney Docket Number	4015-9595 / P45698-US2	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)**

Application Number	15105648
Filing Date	2016-06-17
First Named Inventor	Sebastian Faxér
Art Unit	2472
Examiner Name	Brian D. Nguyen
Attorney Docket Number	4015-9595 / P45698-US2

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David E. Bennett/	Date (YYYY-MM-DD)	2018-05-08
Name/Print	David E. Bennett	Registration Number	32194

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

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4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Faxér)	
Serial No.: 15/105648)	
Filed: June 17, 2016)	Examiner: Brian D. Nguyen
For: Codebook Subset Restriction Signaling)	Group Art Unit: 2472
Attorney's Docket No: 4015-9595/P45698-US2)	Confirmation No.: 5548
)	
)	

MS AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. 1.56, counsel wishes to make of record the attached items of information for the Examiner's consideration in connection with this application. Also attached is Form PTO/SB/08A for the Examiner's convenience in making such consideration of record. Inclusion herein of any particular item of information is not to be construed as an admission that same is prior art. Each item of information contained in the information disclosure statement:

- was first cited in any communication from a patent office in a counterpart foreign or international application or from the Office, and this communication was not received by an individual designated in §1.56(c) more than thirty days prior to the filing of the information disclosure statement; or
- is a communication that was issued by a patent office in a counterpart foreign or international application or by the Office, and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the information disclosure statement
- No statement re Patent Term Adjustment (PTA).

The Commissioner is hereby authorized to charge any fees that may be required or credit any overpayment to Deposit Account 18-1167.

Respectfully submitted,
COATS & BENNETT, P.L.L.C.

/David E. Bennett/
David E. Bennett
Registration No.: 32,194
Telephone: (919) 854-1844

Dated: May 8, 2018

Electronic Acknowledgement Receipt	
EFS ID:	32560767
Application Number:	15105648
International Application Number:	
Confirmation Number:	5548
Title of Invention:	Codebook Subset Restriction Signaling
First Named Inventor/Applicant Name:	Sebastian Faxer
Customer Number:	24112
Filer:	David E. Bennett/Robert Sivigny
Filer Authorized By:	David E. Bennett
Attorney Docket Number:	4015-9595 / P45698-US2
Receipt Date:	08-MAY-2018
Filing Date:	17-JUN-2016
Time Stamp:	11:57:25
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	4015-9595_IDS.pdf	1034460 <small>93c12052a3f310e05d77f1a0e1ae91ae17761d0a1</small>	no	4

Warnings:

Information:					
2	Transmittal Letter	4015-9595_IDS_Cover.pdf	96150	no	1
			3dca34165d955680c94861ec1775bd7514 0080f		
Warnings:					
Information:					
Total Files Size (in bytes):				1130610	
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