

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BOGDAN USCUMLIC	09/16/2021
YU-CHIA TSENG	09/16/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOKIA BELL LABS FRANCE
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<b>City:</b>	NOZAY
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	91620
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17572884
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	323959-US-NP
<b>NAME OF SUBMITTER:</b>	MUKESH KUMAR SRIWASTAVA
<b>SIGNATURE:</b>	/Mukesh Kumar Sriwastava/
<b>DATE SIGNED:</b>	05/19/2022
<b>Total Attachments: 2</b>	
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source=NC323959_Executed Inventor Assignment_To_NBLF#page2.tif	

**ASSIGNMENT - WORLDWIDE**

ASSIGNOR(S)

<b>Name</b>	<b>City</b>	<b>Country</b>
Bogdan Uscumlic	Les Ulis	France
Yu-Chia Tseng	Massy	France

(Full legal name, city and country of each inventor)

ASSIGNEE

**Nokia Bell Labs France****Site de Nokia Paris-Saclay, Route de Villejust, 91620 Nozay, France**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR(S) agree to assign and hereby assign, sell, transfer and set over to the ASSIGNEE and its successors, assigns and legal representatives, the entire right, title and interest, for United States of America and for all other countries in and to (1) the invention(s) identified by the following title or application number and filing date, and (2) any and all related inventions ("RELATED INVENTIONS" as defined below).

**Title of Invention: P4-BOLTZMANN MACHINE FOR ACCELERATED DEEP-LEARNING PACKET PROCESSING IN DATA PLANES**

**Application Title:** NETWORK DEVICE INCLUDING TRAINED NEURAL NETWORK

**Application number:** US 17/572884

**Filing date:** 2022-01-11  
(YYYY-MM-DD)

I/we, the ASSIGNOR(S), hereby authorize and request a representative of the ASSIGNEE to insert the application title, application number and filing date when known/received, after the execution of this document. The ASSIGNOR(S) hereby acknowledge and agree that the ASSIGNEE shall have the right to claim priority, directly or through another patent application, to the application identified above in any and all related patent applications subsequently filed in all jurisdictions.

I/we the ASSIGNOR(S) hereby acknowledge and agree that RELATED INVENTIONS include all national, regional and international patent applications filed and to be filed in any and all jurisdictions, that claim priority to the invention(s) identified by the above title or application number and filing date, said patent applications include all divisionals, continuations, re-issues, re-examinations, and continuations-in-part applications, and RELATED INVENTIONS include all rights and privileges in said patent applications and under any and all letters patent that may be granted in the United States of America and in all other countries resulting from said patent applications.

The ASSIGNOR(S) authorize the ASSIGNEE to make applications for such protection in its own name and maintain such protection in any and all countries including the United States of America, and to invoke and claim for any application for patent or other form of protection for said invention(s), without further authorization from us, any and all benefits, including the rights of priority provided by any and all treaties, conventions, or agreements.

The ASSIGNOR(S) hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of the ASSIGNEE to apply for patent or other form of protection for said invention(s) and to claim the aforesaid benefit of the right of priority.

The ASSIGNOR(S) request that any and all patents for said invention(s) be issued to the ASSIGNEE, its/their successors, assigns and legal representatives, in the United States of America and in all other countries, or to such nominees as the ASSIGNEE may designate.

The ASSIGNOR(S) agree that, when requested, we shall, without charge to the ASSIGNEE sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

The ASSIGNOR(S) and ASSIGNEE agree that this assignment may be executed by either handwritten signatures, including the exchange of scanned representations of handwritten signatures, or e-signatures. By using e-signature to sign this assignment, the ASSIGNOR(S) and ASSIGNEE acknowledge that execution in this manner creates a binding contract between the ASSIGNOR(S) and ASSIGNEE.

Each inventor/assignor please sign and date below:

Inventor (First Middle Last)	Signature	Date
Bogdan Uscumlic	<u><i>Bogdan Uscumlic</i></u> <small>Bogdan Uscumlic (Sep 16, 2021 17:04 GMT+2)</small>	<u>Sep 16, 2021</u>
Yu-Chia Tseng	<u><i>Yu-Chia Tseng</i></u> <small>Yu Chia Tseng (Sep 16, 2021 19:39 GMT+2)</small>	<u>Sep 16, 2021</u>

The ASSIGNEE accepts this assignment:

Name: Emmanuelle Wetzel	Signature <u><i>Emmanuelle Wetzel</i></u> <small>Emmanuelle wetzel (Sep 17, 2021 08:27 GMT+2)</small>
Title: Authorized Signatory	Date <u>Sep 17, 2021</u>
Name: Olivier Audouin	Signature <u><i>olivier audouin</i></u> <small>olivier audouin (Sep 16, 2021 17:49 GMT+2)</small>
Title: Authorized Signatory	Date <u>Sep 16, 2021</u>