

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BEIJING DEEPHI INTELLIGENT TECHNOLOGY CO., LTD.	08/17/2020
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PROPERTY NUMBERS Total: 12	
Property Type	Number
Application Number:	15860772
Application Number:	15242624
Application Number:	15242622
Application Number:	15693491
Application Number:	15693490
Application Number:	15975164
Application Number:	15620353
Application Number:	15247956
Application Number:	15390556
Application Number:	15390660
Application Number:	15390559
Application Number:	15380494
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DATE SIGNED:	08/24/2020
Total Attachments: 3 source=PATENT ASSIGNMENT AGREEMENT#page1.tif source=PATENT ASSIGNMENT AGREEMENT#page2.tif source=PATENT ASSIGNMENT AGREEMENT#page3.tif	

PATENT ASSIGNMENT AGREEMENT

THIS AGREEMENT is by and between Beijing Deephi Intelligent Technology Co., Ltd. having a place of business at Room 1038, First Floor, Building A, Eastern Side of No. 58 Dongbeiwang West Road, Haidian District, Beijing ("**Assignor**") and Xilinx Technology Beijing Limited, having a place of business at Unit 01-19, Floor 10 and No. 101, Floor 6, Building No. 5, No. 5 Anding Road, Chaoyang District, Beijing ("**Assignee**").



Assignor warrants that it is the sole owner of the U.S. patent applications (the "**Patent Applications**") listed in Annex I of this Agreement and the inventions (the "**Inventions**") described in the Patent Applications.

Assignee desires to acquire the entire right, title and interest in and to the Patent Applications and the Inventions, and in and to any and all other patent applications that may be filed and patents (the "**Patents**") that may be granted for the Patent Applications and the Inventions in any and all countries and regions in the world.



For valuable consideration, the receipt and sufficiency of which it acknowledges, Assignor hereby irrevocably assigns and transfers to Assignee, any and all of such right, title and interest in and to: the Patent Applications, Patents, and the Inventions; any divisions, continuations, and continuations-in-part of the Patent Applications; any foreign applications of the Patent Applications and any divisions, continuations, and continuations-in-part of the foreign applications; any other applications claiming priority rights from any of the Patent Applications; any reissues, reexaminations, or extensions of the Patents; the right to file patent applications relating to the Inventions directly in the name of Assignee (in countries where such filings are permissible); the right to claim priority rights deriving from the Patent Applications; and the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of all past, present or future acts of infringement or alleged infringement of the rights assigned and transferred by this Agreement (collectively, the "**Rights**"); and the Assignee hereby accepts the above assignment and transfer of the Patent Applications, Patents and Inventions, and all other rights assigned and/or transferred by this Agreement.

Assignor warrants that the Rights are unencumbered. Assignor also agrees to not sign any writing or do any act conflicting with this Agreement, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Patent Applications or any other applications for patents; conduct proceedings regarding the Rights, including any litigation, invalidation or derivation proceedings; or perfect or defend title to the Rights. Assignor requests the Commissioner of Patents or any other office of similar authority to issue any Patents that may be issued to Assignee.

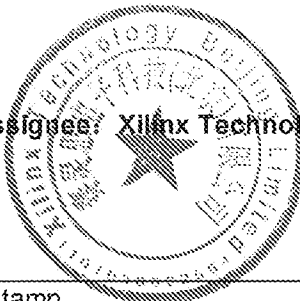


Assignor: Beijing Deephi Intelligent Technology Co., Ltd.

Stamp

2020.8.17

Date



Assignee: Xilinx Technology Beijing Limited

Stamp

2020.8.17

Date

Annex I:

	Application Number	Title	Country/area of Application	Filing Date
1	15/860,772	UNMANNED AERIAL VEHICLE INTERACTIVE APPARATUS AND METHOD BASED ON DEEP LEARNING POSTURE ESTIMATION	US	2018-01-03
2	15/242,624	DEEP PROCESSING UNIT (DPU) FOR IMPLEMENTING AN ARTIFICIAL NEURAL NETWORK (ANN)	US	2016-08-22
3	15/242,622	METHOD FOR OPTIMIZING AN ARTIFICIAL NEURAL NETWORK (ANN)	US	2016-08-22
4	15/693,491	FIXED-POINT TRAINING METHOD FOR DEEP NEURAL NETWORKS BASED ON STATIC FIXED-POINT CONVERSION SCHEME	US	2017-09-01
5	15/693,490	FIXED-POINT TRAINING METHOD FOR DEEP NEURAL NETWORKS BASED ON DYNAMIC FIXED-POINT CONVERSION SCHEME	US	2017-09-01
6	15/975,164	TARGET TRACKING HARDWARE IMPLEMENTATION SYSTEM AND METHOD	US	2018-05-09
7	15/620,353	COMPUTING SYSTEM AND CONTROLLER THEREOF	US	2017-06-12
8	15/247,956	COMBINING CPU AND SPECIAL ACCELERATOR FOR IMPLEMENTING AN ARTIFICIAL NEURAL NETWORK	US	2016-08-26
9	15/390,556	COMPRESSION METHOD FOR DEEP NEURAL NETWORKS WITH LOAD BALANCE	US	2016-12-26
10	15/390,660	COMPRESSION OF DEEP NEURAL NETWORKS WITH PROPER USE OF MASK	US	2016-12-26
11	15/390,559	MULTI-ITERATION COMPRESSION FOR DEEP NEURAL NETWORKS	US	2016-12-26
12	15/380,494	HARDWARE ACCELERATOR FOR COMPRESSED LSTM	US	2016-12-15