

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6261333

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
MENTOR GRAPHICS CORPORATION	08/21/2020
RECEIVING PARTY DATA	
Name:	AVATAR INTEGRATED SYSTEMS, INC.
Street Address:	2111 TASMAN DRIVE
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 18	
Property Type	Number
Application Number:	16231311
Application Number:	15793640
Application Number:	15793643
Application Number:	14313875
Application Number:	12871734
Application Number:	14316438
Application Number:	14092797
Application Number:	13971666
Application Number:	13779615
Application Number:	14028145
Application Number:	14483040
Application Number:	15793622
Application Number:	16100097
Application Number:	16434624
Application Number:	63034189
Application Number:	16915099
Application Number:	63034329
Application Number:	16915549
CORRESPONDENCE DATA	

Fax Number: (212)751-4864

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.

Phone: 2129061209

Email: JESSICA.BAJADA-SILVA@LW.COM

Correspondent Name: LATHAM & WATKINS LLP, C/O JESSICA BAJADA-SILVA

Address Line 1: 885 THIRD AVE

Address Line 4: NEW YORK, NEW YORK 10022

NAME OF SUBMITTER:	JESSICA BAJADA-SILVA
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SIGNATURE:	/s/ Jessica Bajada-Silva
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DATE SIGNED:	08/21/2020
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Total Attachments: 5

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RELEASE OF SECURITY INTEREST IN PATENTS

THIS RELEASE OF SECURITY INTEREST IN PATENTS, dated as of August 21, 2020 (this "Release"), is made by Mentor Graphics Corporation, an Oregon corporation, as lender (in such capacity and together with its successors and assigns in such capacity, the "Lender") in favor of Avatar Integrated Systems, Inc., a Delaware corporation (the "Borrower"). Capitalized terms used but not defined herein shall have the meanings attributed to them in the Loan and Security Agreement (as defined below).

WHEREAS, the Borrower and the Lender entered into that certain Loan and Security Agreement dated as of July 13, 2020 (as the same may be amended, restated, supplemented, or otherwise modified from time to time, the "Loan and Security Agreement").

WHEREAS, the Borrower executed and delivered the Patent Security Agreement, dated as of July 13, 2020 in favor of the Lender, which was recorded in the records of the United States Patent and Trademark Office on July 16, 2020 at Reel 053224, Frame 0268 (the "First Patent Security Agreement" and a "Patent Security Agreement").

WHEREAS, the Borrower executed and delivered the Patent Security Agreement, dated as of July 22, 2020 in favor of the Lender, which was recorded in the records of the United States Patent and Trademark Office on July 23, 2020 at Reel 053288, Frame 0081 (a "Patent Security Agreement" and, together with the First Patent Security Agreement, the "Patent Security Agreements").

WHEREAS, pursuant to the Loan and Security Agreement and the Patent Security Agreements, the Borrower assigned and transferred to Lender, and granted to the Lender a security interest in, all of the following property, in each case, then owned or at any time thereafter acquired by the Borrower or in which the Borrower then had or at any time thereafter may acquire any right, title or interest (collectively, the "Patent Collateral"):

all patentable inventions and designs, all United States, foreign, and multinational patents, certificates of invention, and similar industrial property rights, and applications for any of the foregoing, including without limitation: (i) each patent and patent application listed in Schedule I attached hereto (ii) all reissues, substitutes, divisions, continuations, continuations-in-part, extensions, renewals, and reexaminations thereof, (iii) all inventions and improvements described and claimed therein, (iv) all rights to sue or otherwise recover for any past, present, and future infringement or other violation thereof, (v) all proceeds of the foregoing, including, without limitation, license fees, royalties, income, payments, claims, damages, and proceeds of suit now or hereafter due and/or payable with respect thereto, income, royalties, damages, and other payments now and hereafter due and/or payable with respect thereto, and (vi) all other rights of any accruing thereunder or pertaining thereto throughout the world.

WHEREAS, the Borrower has requested that the Lender execute and deliver this Release to evidence the release of its security interest in the Patent Collateral for filing and recordation with the United States Patent and Trademark Office.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt of which is hereby acknowledged, the Lender hereby agrees as follows:

1. The Lender hereby releases and terminates in its entirety its security interest in the Patent Collateral, and re-assigns to the Borrower any and all right, title and interest it may have in and to the Patent Collateral.

2. The Lender hereby authorizes and acknowledges the termination of the Patent Security Agreements and authorizes the Borrower or any of its agents or designees to record this Release with the

United States Patent and Trademark Office and any other offices as may be necessary to carry out the intention of this Release.

3. This Release shall be governed by, and construed in accordance with, the laws of the state of New York (without giving effect to the conflict of laws principles thereof).

4. Electronic delivery of an executed counterpart of a signature page to this Release will be as effective as delivery of a manually executed counterpart of this Release.

[Signature Page Follows]

IN WITNESS WHEREOF, the Lender has caused this Release to be executed and delivered by its duly authorized officer as of the date first set forth above.

MENTOR GRAPHICS CORPORATION,
as Lender

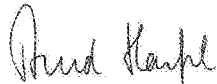
Hemmelgarn
Anthony

Digitally signed by Hemmelgarn
Anthony
Date: 2020.08.20 16:55:01 -04'00'

By: _____

Name: Anthony L. Hemmelgarn

Title: President and Chief Executive Officer

By:  _____

Digitally signed by Haetzel Bernd
Date: 2020.08.20 11:57:34 -05'00'

Name: Bernd Haetzel

Title: Executive Vice President and Chief Financial
Officer

SCHEDULE I

PATENTS AND PATENT APPLICATIONS

Recorded at Reel 053224, Frame 0268:

<u>Record Owner</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Patent Number</u>	<u>Issue Date</u>
Avatar Integrated Systems, Inc.	Graph-based timing analysis timing calibration	16231311	12/21/2018	10691854	06/23/2020
Avatar Integrated Systems, Inc.	Local path-based analysis for circuit place and route optimization	15793640	10/25/2017	10534883	01/14/2020
Avatar Integrated Systems, Inc.	Multimode circuit place and route optimization	15793643	10/25/2017	10296700	05/21/2019
Avatar Integrated Systems, Inc.	In-hierarchy circuit analysis and modification	14313875	06/24/2014	9536036	01/03/2017
Avatar Integrated Systems, Inc.	In-hierarchy circuit analysis and modification	12871734	08/30/2010	8566765	10/22/2013
Avatar Integrated Systems, Inc.	Statistical optimization in place-and-route	14316438	06/26/2014	9342642	05/17/2016
Avatar Integrated Systems, Inc.	Pass eco flow based on reduced timing scope timer	14092797	11/27/2013	9418192	08/16/2016
Avatar Integrated Systems, Inc.	In-hierarchy circuit analysis and modification	13971666	08/20/2013	8793633	07/29/2014
Avatar Integrated Systems, Inc.	Natively color-aware double patterning technology (DPT)	13779615	02/27/2013	8935639	01/13/2015
Avatar Integrated Systems, Inc.	Statistical optimization in place-and-route	14028145	09/16/2013	8806412	08/12/2014
Avatar Integrated Systems, Inc.	In-hierarchy circuit analysis and modification for circuit instances	14483040	09/10/2014	9177090	11/03/2015
Avatar Integrated Systems, Inc.	Circuit place and route optimization based on path-based timing analysis	15793622	10/25/2017	10534878	01/14/2020
Avatar Integrated Systems, Inc.	Sibling wire routing	16100097	11/21/2018	--	--
Avatar Integrated Systems, Inc.	Improving VIAS with Multiconnection VIA structures	16434624	06/07/2019	--	--
Avatar Integrated Systems, Inc.	Glitch Power Analysis and Optimization Engine	--	06/29/2020	--	--
Avatar Integrated Systems, Inc.	Glitch Power Analysis and Optimization Engine	--	06/29/2020	--	--

Recorded at Reel 053288, Frame 0081:

Application Number	Patent Title	Owner	Date Filed
63/034,189	Glitch Power Analysis and Optimization Engine	Avatar Integrated Systems, Inc.	3-Jun-20
16/915,099	Glitch Power Analysis and Optimization Engine	Avatar Integrated Systems, Inc.	29-Jun-20
63/034,329	Glitch Power Analysis and Optimization Engine	Avatar Integrated Systems, Inc.	3-Jun-20
16/915,549	Integrated Simulator and Analysis and Optimization Engine	Avatar Integrated Systems, Inc.	29-Jun-20