

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MGM RESORTS INTERNATIONAL OPERATIONS, INC.	12/03/2020
RECEIVING PARTY DATA		
Name:	TEMPUS EX MACHINA, INC.	
Street Address:	635 BRANNAN STREET	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94107	
PROPERTY NUMBERS Total: 19		
Property Type	Number	
Application Number:	16747434	
Application Number:	62794980	
PCT Number:	US2014440	
Application Number:	16747436	
Application Number:	62795012	
PCT Number:	US2014447	
Application Number:	16747437	
Application Number:	62795016	
PCT Number:	US2014451	
Application Number:	16747440	
Application Number:	62795020	
PCT Number:	US2014452	
Application Number:	62802182	
Application Number:	62802183	
Application Number:	62802185	
Application Number:	62802186	
Application Number:	16818803	
Application Number:	62819428	
PCT Number:	US2022767	

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NAME OF SUBMITTER:	WILLIAM J. JAMES
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DATE SIGNED:	12/10/2020

Total Attachments: 2

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PATENT ASSIGNMENT

WHEREAS MGM Resorts International Operations, Inc., a Nevada corporation ("MGM"), certifies that to the best of MGM's knowledge and belief it is the sole assignee of the United States and International Patent Applications listed in Exhibit A; and whereas MGM and Tempus Ex Machina, Inc., a Delaware corporation have entered into a certain Intellectual Property Assignment Agreement, effective August 13, 2020;

NOW, THEREFORE, in consideration of the representations, warranties, and covenants of the Intellectual Property Assignment Agreement mentioned above, MGM hereby:

- 1) Assigns and transfers to Tempus Ex Machina, Inc., a Delaware corporation ("Assignee"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the United States and International Patent Applications listed in Exhibit A, including without limitation any and all rights to sue for past infringement and to recover damages for any and all past infringement.

- 2) Authorizes and requests the Commissioner of Patents to issue any and all Letters Patents resulting from patent applications claiming priority to or otherwise related to the United States and International Patent Applications listed in Exhibit A, including any divisional(s), continuation(s), substitutes(s) or reissue(s) thereof, to Tempus Ex Machina, Inc.

Signed on the date(s) indicated beside my (our) signature(s).

MGM Resorts International Operations, Inc.

By George Kliavkoff
Signature

George Kliavkoff
Printed Name

President, Entertainment & Sports
Title

12/03/2020
Date



Exhibit A

Firm Reference	Application Number	Filed Date	Title
EPFMP001	16/747,434	01/20/2020	SYSTEMS AND METHODS TO PREDICT A FUTURE OUTCOME AT A LIVE SPORT EVENT
EPFMP001+	62/794,980	01/21/2019	SYSTEMS AND METHODS FOR PREDICTING A FUTURE OUTCOME AT A LIVE SPORT EVENT USING EXTENDED COVARIATES
EPFMP001PCT	PCT/US20/14440	01/21/2020	SYSTEMS AND METHODS TO PREDICT A FUTURE OUTCOME AT A LIVE SPORT EVENT
EPFMP002	16/747,436	01/20/2020	SYSTEMS AND METHODS FOR MAKING USE OF TELEMETRY TRACKING DEVICES TO ENABLE EVENT BASED ANALYSIS AT A LIVE GAME
EPFMP002+	62/795,012	01/21/2019	SYSTEMS AND METHODS FOR MAKING USE OF TELEMETRY TRACKING DEVICES AND MACHINE LEARNING TO ENABLE PLAY BY PLAY BETTING AT A LIVE GAME
EPFMP002PCT	PCT/US20/14447	01/21/2020	SYSTEMS AND METHODS FOR MAKING USE OF TELEMETRY TRACKING DEVICES TO ENABLE EVENT BASED ANALYSIS AT A LIVE GAME
EPFMP003	16/747,437	01/20/2020	SYSTEMS AND METHODS FOR PROVIDING A REAL-TIME REPRESENTATION OF POSITIONAL INFORMATION OF SUBJECTS
EPFMP003+	62/795,016	01/21/2019	SYSTEMS AND METHODS FOR TRACKING AND WHITE BOARDING POSITIONAL INFORMATION OF SUBJECTS DURING GAME PLAY
EPFMP003PCT	PCT/US20/14451	01/21/2020	SYSTEMS AND METHODS FOR PROVIDING A REAL-TIME REPRESENTATION OF POSITIONAL INFORMATION OF SUBJECTS
EPFMP004	16/747,440	01/20/2020	SYSTEMS AND METHODS FOR PARTITIONING A VIDEO FEED TO SEGMENT LIVE PLAYER ACTIVITY
EPFMP004+	62/795,020	01/22/2019	SYSTEMS AND METHODS FOR PARTITIONING A VIDEO FEED TO SEGMENT LIVE PLAYER ACTIVITY
EPFMP004PCT	PCT/US20/14452	01/21/2020	SYSTEMS AND METHODS FOR PARTITIONING A VIDEO FEED TO SEGMENT LIVE PLAYER ACTIVITY
EPFMP005+	62/802,182	02/06/2019	SYSTEMS AND METHODS FOR PREDICTING A FUTURE OUTCOME AT A LIVE SPORT EVENT USING EXTENDED COVARIATES
EPFMP006+	62/802,183	02/06/2019	SYSTEMS AND METHODS FOR MAKING USE OF TELEMETRY TRACKING DEVICES AND MACHINE LEARNING TO ENABLE EVENT BASED ANALYSIS AT A LIVE GAME
EPFMP007+	62/802,185	02/06/2019	SYSTEMS AND METHODS FOR TRACKING AND WHITE BOARDING POSITIONAL INFORMATION OF SUBJECTS DURING GAME PLAY
EPFMP008+	62/802,186	02/06/2019	SYSTEMS AND METHODS FOR PARTITIONING A VIDEO FEED TO SEGMENT LIVE PLAYER ACTIVITY
EPFMP009	16/818,803	03/13/2020	SYSTEMS AND METHODS FOR CUSTOMIZING AND COMPOSITING A VIDEO FEED AT A CLIENT DEVICE
EPFMP009+	62/819,428	03/15/2019	SYSTEMS AND METHODS FOR COMPOSITING A VIDEO FEED AT A CLIENT DEVICE
EPFMP009PCT	PCT/US20/22767	03/13/2020	SYSTEMS AND METHODS FOR COMPOSITING A VIDEO FEED AT A CLIENT DEVICE

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