

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7442364

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KAI-HAN CHANG	06/30/2022
THOMAS A. SEDER	07/20/2022
JOSEPH F. SZCZERBA	07/14/2022
JOHN P. WEISS	07/14/2022
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City:	DETROIT
State/Country:	MICHIGAN
Postal Code:	48265
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17813794
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ATTORNEY DOCKET NUMBER:	P102412-PRI-NP-US01
NAME OF SUBMITTER:	STEVEN L. CRANE
SIGNATURE:	/STEVENLCRANE/
DATE SIGNED:	07/20/2022
Total Attachments: 4	
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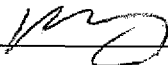
ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries, application types, and any applications split into two or more matters, in the improvements set forth in the United States patent applications listed below:

Attorney Docket No.	Title
P102841	Algorithm that determines applications to be displayed and their display format for augmented reality head up display applications avoiding visual clutter
P102740	AR HUD with adaptive color palette based on ambient lighting condition
P102739	Graphic with adaptive color palette based on individual visual condition
P102692	Calibration process for distortion compensation of a waveguide-based holographic head-up display
P102729	Identification of Objects by Color with ARHUD
P102728	Augmenting Vehicle Brake Lights with ARHUD for Color-Vision Impaired
P102598	Gamified Method for Calibrating AR HUDs
P102451	User Interaction with 360 Degree 3D Holographic Display
P102633	Autostereoscopic 3D campfire display
P102547	Holographic display calibration using machine learning.
P102546	Reflective exit pupil replicator with slanted reflector array
P102449	AR HUD Integrated Night Vision Display
P102498	Holographic display calibration by hologram phase modulation
P102450	Windshield Zone Dimming and Augmented Reality Head Up Display
P102167	On the fly hologram rectification to suppress speckle noise in holographic.
P102412	Co-pilot application enabled by Wide Field of View Hybrid Augmented Reality

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 00286 or any practitioner legally authorized to file a patent application for GM GLOBAL TECHNOLOGY OPERATIONS LLC to insert the application number, application title and filing date of any of said applications above and here in parentheses (17/813,794 filed 7/20/2022) when known.

Inventor's signature



Date 6/30/2022

Full name:

Kai-Han Chang

Residence:

36266 Weber Dr, Sterling Heights, MI 48310

ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM Global Technology Operations LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P102412-PRI-NP-US01 entitled

**MULTI-VIEW DISPLAY DEVICE FOR A CO-PILOT APPLICATION
OF A MOTOR VEHICLE**

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 76438 to insert the application number and filing date of said application here in parentheses (17/813,794 filed 7/20/2022) when known.

Inventor's signature: Thomas A. Seder Date: 20 July 2022

Full name: Thomas A. Seder

Residence: Fraser, MI

Inventor's signature: _____ Date: _____

Full name: Joseph F. Szczerba

Residence: Grand Blanc, MI

Inventor's signature: _____ Date: _____

Full name: John P. Weiss

Residence: Shelby Township, MI

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Inventor's signature: _____ Date: _____

Full name: Thomas A. Seder

Residence: Fraser, MI

Inventor's signature:  Date: 07/14/2022

Full name: Joseph F. Szczerba

Residence: Grand Blanc, MI

Inventor's signature: _____ Date: _____

Full name: John P. Weiss

Residence: Shelby Township, MI

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Inventor's signature: _____ Date: _____

Full name: Thomas A. Seder

Residence: Fraser, MI

Inventor's signature: _____ Date: _____

Full name: Joseph F. Szczerba

Residence: Grand Blanc, MI

Inventor's signature: John P Weiss Date: 07/14/2022

Full name: John P. Weiss

Residence: Shelby Township, MI