

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI926096

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	FIRST MODE IPP LIMITED	02/11/2025
	FIRST MODE HOLDINGS, INC.	02/11/2025
	FIRST MODE PTY LIMITED	02/11/2025
	FIRST MODE SA PTY	02/11/2025
	FIRST MODE SA HOLDINGS	02/11/2025
	SYNCHRONOUS LLC	02/11/2025
	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LIMITED	02/11/2025
RECEIVING PARTY DATA		
Company Name:	Cummins Inc.	
Street Address:	500 Jackson Street	
City:	Columbus	
State/Country:	INDIANA	
Postal Code:	47201	
PROPERTY NUMBERS Total: 20		
Property Type	Number	
Application Number:	18633896	
Application Number:	17425694	
Application Number:	18545766	
Application Number:	18625294	
Application Number:	17719699	
Application Number:	18913221	
Application Number:	17936643	
Application Number:	18180042	
Application Number:	18924626	
Application Number:	18493450	
Application Number:	63633980	
Application Number:	63643659	
Application Number:	63662261	
Application Number:	63673110	

PATENT

Property Type	Number
Application Number:	63697894
Application Number:	63719957
PCT Number:	US2375531
PCT Number:	US2447055
PCT Number:	US2449104
PCT Number:	US2366129

CORRESPONDENCE DATA

Fax Number:

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: (202)672-5300

Email: ipdocketing@foley.com,scao@foley.com

Correspondent Name: Foley & Lardner LLP

Address Line 1: 3000 K Street, N.W., Suite 600

Address Line 4: Washington, DISTRICT OF COLUMBIA 20007-5109

NAME OF SUBMITTER:	Xing Cao
SIGNATURE:	/Xing Cao/
DATE SIGNED:	04/01/2025

Total Attachments: 16

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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This Intellectual Property Assignment Agreement (the “Assignment”), dated as of February 11, 2025, among First Mode Holdings, Inc., a Delaware corporation (“Company”), First Mode IPP Limited, a private limited company organized under the laws of England and Wales (“IPP Ltd”), Synchronous LLC, a Washington limited liability company (“Synchronous”), First Mode Pty Limited, a proprietary company organized under the laws of Australia (“First Mode Australia”), First Mode SA Pty, a private company organized under the laws of South Africa (“First Mode SA”), First Mode SA Holdings, a private company organized under the laws of South Africa (“SA Holdings”), and Anglo American Technical & Sustainability Services Limited, a private limited company organized under the laws of England and Wales (“Anglo”) (each, an “Assignor” and collectively the “Assignors”), and Cummins Inc., an Indiana corporation (“Assignee”) (each individually a “Party” and collectively, the “Parties”). Capitalized terms used but not defined in this Assignment shall have the meanings ascribed to such terms in the Purchase Agreement.

WHEREAS, under the terms of that certain Asset Purchase Agreement, among the Company, IPP Ltd, Synchronous, First Mode Australia, First Mode SA, SA Holdings, and Assignee, dated as of December 15, 2024 (the “Purchase Agreement”), the Assignors have agreed to sell, convey, transfer, and assign to Assignee, among other assets, the Transferred Intellectual Property, including as listed on Schedules A, B, and C upon the terms and subject to the conditions contained in the Purchase Agreement, and have agreed to execute and deliver this Assignment, including for recording with the United States Patent and Trademark Office and corresponding entities or agencies in any applicable jurisdictions; and

WHEREAS, Assignee desires to accept all such Transferred Intellectual Property;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

■ [REDACTED]

- . Assignment of Patents. Effective as of the date hereof, and pursuant to the Purchase Agreement, each Assignor hereby irrevocably and unconditionally assigns to Assignee and Assignee accepts all of Assignor's right, title, and interest of every kind and nature throughout the world in, to and under the following: (i) the patents and patent applications set forth in Schedule B hereto; (ii) all inventions and improvements described and claimed therein, and patents which may be granted from divisions, reissues, substitutions, continuations, continuations-in-part, reexaminations, foreign counterparts and extensions thereof claiming priority to the underlying said patent rights; (iii) all licenses for the use of the patents; (iv) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages, claims, and payments for past and future infringements thereof; (v) all rights to sue for past, present, and future infringements of the foregoing, including the right to settle suits involving claims and demands for royalties owing; (vi) all rights corresponding to any of the foregoing throughout the world; and (vii) the right to assign the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit, and for the benefit of its successors, assigns, and legal representatives, free and clear of any Liens (the "Assigned Patents").

■ [REDACTED]

■ [REDACTED]

[REDACTED]

- . Recordation. Assignors hereby authorize the Commissioner for Trademarks in the United States Patent and Trademark Office, the Commissioner for Patents in the United States Patent and Trademark Office, and all other applicable registrars and officials of corresponding entities or agencies in any applicable jurisdictions, to record and register this Assignment upon request by Assignee or its successors, assigns or legal representatives. Assignee shall be solely responsible for, and shall bear all costs (and reimburse Assignors for any such costs) incurred by the Parties in filing or recording the Assignment and effectuating the assignment hereunder. Without limiting the foregoing, Assignors will cooperate with Assignee, including by providing any additional information, executing any documents that may be required and requested by Assignee to effectuate the assignment hereunder.

■ [REDACTED]

■ [REDACTED]

■ [REDACTED]

■ [REDACTED]


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IN WITNESS WHEREOF, Assignors and Assignee caused this Assignment to be duly executed as of the date first written above.


ASSIGNORS:

FIRST MODE HOLDINGS, INC., a Delaware corporation

By:  DocuSigned by:


715A889FACCD45E...
Name: Julian Soles
Title: Chief Executive Officer

FIRST MODE IPP LIMITED, a private limited company organized under the laws of England and Wales

By:  DocuSigned by:


715A889FACCD45E...
Name: Julian Soles
Title: Authorized Signatory

SYNCHRONOUS LLC, a Washington limited liability company

By:  DocuSigned by:


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Name: Julian Soles
Title: Authorized Signatory

FIRST MODE PTY LIMITED, a proprietary company organized under the laws of Australia


By:  DocuSigned by:

715A889FACCD45E...
Name: Julian Soles
Title: Authorized Signatory

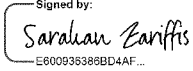
**FIRST MODE SA PTY, a private company
organized under the laws of South Africa**

DocuSigned by:
By: 
Name: Julian Soles
Title: Authorized Signatory

**FIRST MODE SA HOLDINGS, a private
company organized under the laws of South
Africa**

DocuSigned by:
By: 
Name: Julian Soles
Title: Authorized Signatory


**ANGLO AMERICAN TECHNICAL &
SUSTAINABILITY SERVICES LIMITED, a
private limited company organized under the
laws of England and Wales**

By:  Signed by:
E600935388BD4AF...
Name: Sarahan zariffis
Title: Director

[Signature Page to the Intellectual Property Assignment Agreement]

ASSIGNEE:

CUMMINS INC., an Delaware corporation

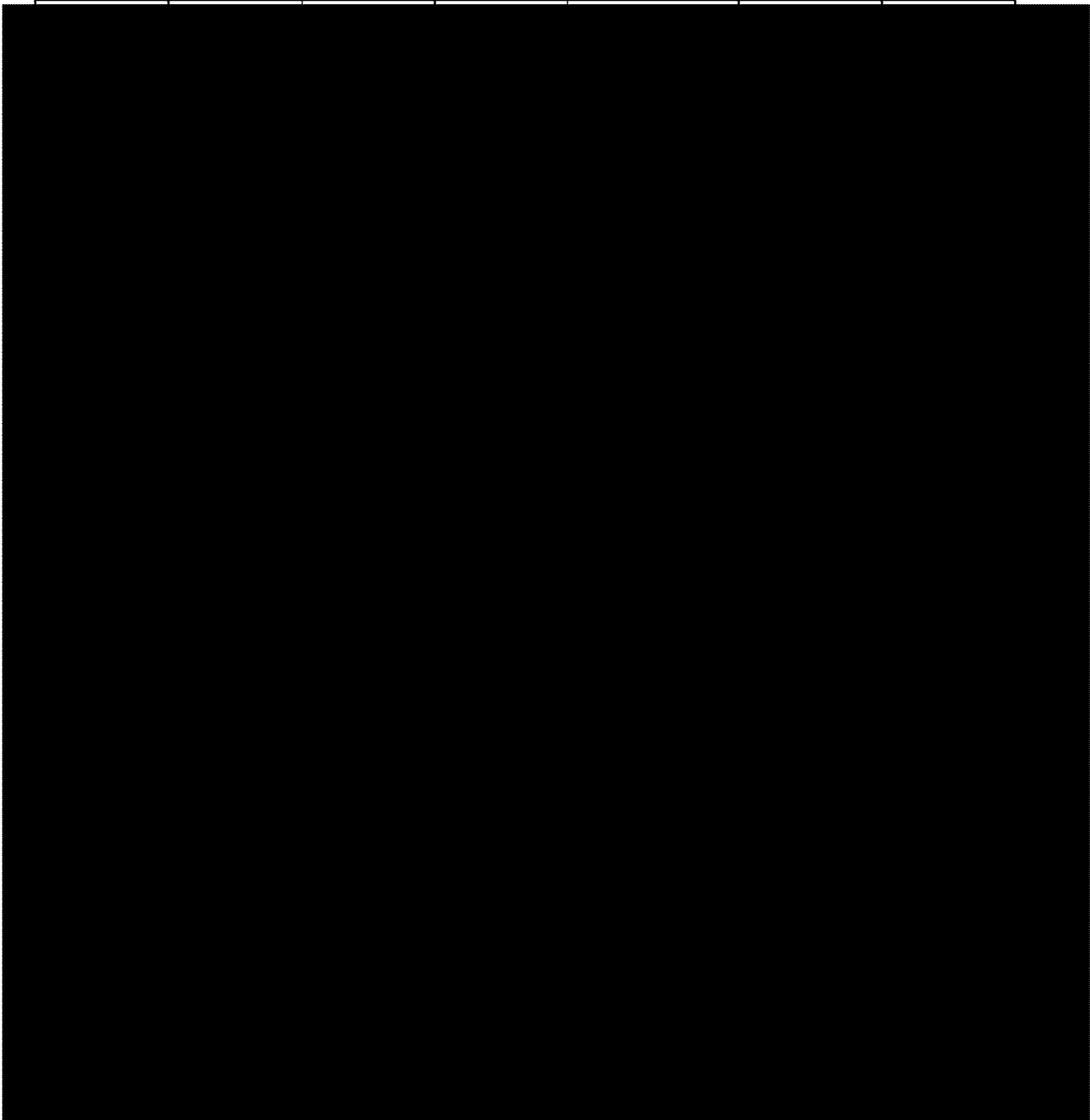
By: 

Name: Jeffrey Wilttrout

Title: Vice President - Corporate Strategy

Category	Sub-category	Item 1	Item 2	Item 3	Item 4	Item 5
Category A	Sub-category A	Item A1	Item A2	Item A3	Item A4	Item A5
Category B	Sub-category B	Item B1	Item B2	Item B3	Item B4	Item B5
Category C	Sub-category C	Item C1	Item C2	Item C3	Item C4	Item C5
Category D	Sub-category D	Item D1	Item D2	Item D3	Item D4	Item D5
Category E	Sub-category E	Item E1	Item E2	Item E3	Item E4	Item E5
Category F	Sub-category F	Item F1	Item F2	Item F3	Item F4	Item F5
Category G	Sub-category G	Item G1	Item G2	Item G3	Item G4	Item G5
Category H	Sub-category H	Item H1	Item H2	Item H3	Item H4	Item H5
Category I	Sub-category I	Item I1	Item I2	Item I3	Item I4	Item I5
Category J	Sub-category J	Item J1	Item J2	Item J3	Item J4	Item J5
Category K	Sub-category K	Item K1	Item K2	Item K3	Item K4	Item K5
Category L	Sub-category L	Item L1	Item L2	Item L3	Item L4	Item L5
Category M	Sub-category M	Item M1	Item M2	Item M3	Item M4	Item M5
Category N	Sub-category N	Item N1	Item N2	Item N3	Item N4	Item N5
Category O	Sub-category O	Item O1	Item O2	Item O3	Item O4	Item O5
Category P	Sub-category P	Item P1	Item P2	Item P3	Item P4	Item P5
Category Q	Sub-category Q	Item Q1	Item Q2	Item Q3	Item Q4	Item Q5
Category R	Sub-category R	Item R1	Item R2	Item R3	Item R4	Item R5
Category S	Sub-category S	Item S1	Item S2	Item S3	Item S4	Item S5
Category T	Sub-category T	Item T1	Item T2	Item T3	Item T4	Item T5
Category U	Sub-category U	Item U1	Item U2	Item U3	Item U4	Item U5
Category V	Sub-category V	Item V1	Item V2	Item V3	Item V4	Item V5
Category W	Sub-category W	Item W1	Item W2	Item W3	Item W4	Item W5
Category X	Sub-category X	Item X1	Item X2	Item X3	Item X4	Item X5
Category Y	Sub-category Y	Item Y1	Item Y2	Item Y3	Item Y4	Item Y5
Category Z	Sub-category Z	Item Z1	Item Z2	Item Z3	Item Z4	Item Z5

[Schedule A]










[Schedule A]

Schedule B – Patents and Patent Applications

Title	Record Owner	Country	Application Number	Publication Number	Patent Number	Filing Date	Publication Date	Issue Date	Status
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	Chile	CL 2021001854	CL 2021001854	CL 67083	September 30, 2020	March 4, 2021	June 14, 2023	
Hybrid Hydrogen Power Module	First Mode IPP Limited	United States	US 17/425,694	US 2022/0173459	US 11,894,539	September 30, 2020	June 2, 2022	February 6, 2024	
Hybrid Hydrogen Power Module	First Mode IPP Limited	United States	US 18/545,766	--	US 11,955,620	December 19, 2023	--	April 9, 2024	
MOBILE HYDROGEN STORAGE, TRANSPORTATION, AND REFUELING SYSTEM AND METHOD OF USING THE SAME	First Mode IPP Limited	United States	US 17/719,699	--	US 11,761,587	April 13, 2022	--	September 19, 2023	
Cooling multiple parallel hydrogen fuel cell modules	First Mode IPP Limited	United States	US 17/936,643	--	US 11,824,234	September 29, 2022	--	November 21, 2023	
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	United States	US 18/180,042	US 2023/0339308	US 11,938,805	March 7, 2023	October 26, 2023	March 26, 2024	
Reconfiguration of combustion engine powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode Holdings, Inc.	United States	US 18/493,450	--	US 11,958,352	October 24, 2023	--	April 16, 2024	
Cooling multiple parallel hydrogen fuel cell modules	First Mode IPP Limited	PCT	PCT/US2023/075531	WO 2024073676		September 29, 2023	April 4, 2024	--	
Mobile hydrogen storage, transportation, and refueling system	First Mode IPP Limited	PCT	PCT/EP2023/059730	WO/2023/198861		April 13, 2023	October 19, 2023		

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and method of using the same									
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	United Kingdom	GB 1914406.2	GB 2587666A	--	October 4, 2019	April 7, 2021	--	
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	PCT	PCT/EP2020/077348	WO 2021/064010	--	September 30, 2020	April 8, 2021	--	
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	Australia	AU 2020360617	AU 2020360617 A1	AU 2020360617 B2	September 30, 2020	July 29, 2021	October 3, 2024	
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	Australia	AU 2024287222	--	--	December 24, 2024	--	--	
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	Brazil	BR 112022006123-4	BR 112022006123-4	--	September 30, 2020	June 21, 2022	--	
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	Botswana	BW/P/2022/0009	--	--	April 4, 2022	--	--	
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability	Canada	CA 3125427	CA3125427 A1	--	September 30, 2020	April 4, 2021	--	

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	Services Limited [First Mode IPP Limited]								
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	Peru	PE 000548-2022/DIN	--	--	September 30, 2020	--	--	██████
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	South Africa	ZA 2021/04667	--	--	September 30, 2020	--	--	██████
Hybrid Hydrogen Power Module	Anglo American Technical & Sustainability Services Limited [First Mode IPP Limited]	United States	US 17/675,303	US 2022/0169129	--	February 18, 2022	June 2, 2022	--	██████████
Hybrid Hydrogen Power Module	First Mode IPP Limited	United States	US 18/625,294	--	--	April 3, 2024	August 8, 2024	--	██████
Mobile Refueling	First Mode IPP Limited	United States	US 18/913,221	--	--	October 11, 2024	--	--	██████
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	United States	US 63/334,297	--	--	April 25, 2022	--	--	██████████ ██████ ██████
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	PCT	PCT/US2023/066129	WO 2023/1212528	--	April 24, 2023	November 2, 2023	--	██████████ ██████ ██████
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	United States	US 18/924,626	--	--	October 23, 2024	--	--	██████

[Schedule B]

Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	Australia	AU2023262515	--	--	October 29, 2024	--	--	████████
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	Brazil	BR 112024022152-0	--	--	October 24, 2024	--	--	████████
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	Canada	CA 3249728	--	--	October 18, 2024	--	--	████████
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	Chile	CL 202403233	--	--	October 23, 2024	--	--	████████
Reconfiguration of diesel-powered haul truck with hybrid hydrogen fuel cell and battery power supply	First Mode IPP Limited	South Africa	ZA 2024/07922	--	--	October 18, 2024	--	--	████████
LH2 Mobile Refueling Vehicle	First Mode Holdings, Inc.	United States	US 63/583,539	--	--	September 18, 2023	--	--	████████ ████████ ████████
LH2 Mobile Refueling Vehicle	First Mode Holdings, Inc.	PCT	PCT/US2024/047055	--	--	September 17, 2024	--	--	████████
LH2 Haul Truck Reconfiguration	First Mode Holdings, Inc.	United States	US 63/586,253	--	--	September 28, 2023	--	--	████████ ████████ ████████
LH2 Haul Truck Reconfiguration	First Mode Holdings, Inc.	United States	US 18/633,896	--	--	April 12, 2024	--	--	████████
LH2 Haul Truck Reconfiguration II	First Mode Holdings, Inc.	United States	US 63/633,980	--	--	April 15, 2024			████████
LH2 Haul Truck Reconfiguration II	First Mode Holdings, Inc.	PCT	PCT/US2024/049104	--	--	September 27, 2024	--	--	████████
Fuel Cell Backplane	First Mode Holdings, Inc.	United States	US 63/643,659	--	--	May 7, 2024	--	--	████████

[Schedule B]

H2 Pressure Building System	First Mode Holdings, Inc.	United States	US 63/662,261	--	--	June 20, 2024	--	--	██████
Decoupled Fuel Cell Coolant System	First Mode Holdings, Inc.	United States	US 63/673,110	--	--	July 18, 2024	--	--	██████
HEV Electrical Architecture	First Mode Holdings, Inc.	United States	US 63/697,894	--	--	September 23, 2024	--	--	██████
Power String Modules	First Mode Holdings, Inc.	United States	US 63/719,957	--	--	November 13, 2024	--	--	██████

[Schedule B]

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