

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SOLARIS OILFIELD SITE SERVICES OPERATING, LLC, and SOLARIS
OILFIELD SITE SERVICES PERSONNEL, LLC,

Petitioners

v.

MASABA, INC.,

Patent Owner

Case No. IPR2024-01179

Patent 11,780,689

PETITIONERS' UPDATED EXHIBIT LIST

LIST OF EXHIBITS

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EX1001	U.S. Patent No. 11,780,689 to Brenden et al. (“the ’689 Patent”)
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EX1004	U.S. Patent No. 9,663,303 to Waldner et al. (“ <i>Waldner</i> ”)
EX1005	<u>Belt Conveyor-based Loading Systems</u> , https://web.archive.org/web/20160819111857/http://mcschroeder.com/wp-content/uploads/2012/09/Product-Spec-Sheet-Belt-EconoLoader.pdf (August. 19, 2016) (“ <i>Dynatek</i> ”)
EX1006	U.S. Patent No. 11,691,831 to Sleeman et al. (“ <i>Sleeman</i> ”)
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EX1020	U.S. Patent Application Publication 2016/0258267 by Mark Payne et al. entitled “Well Fracturing Systems with Electrical Motors and Methods of Use” (“Payne”)
EX1021	U.S. Department of Labor, OSHA, “Worker Exposure to Silica during Hydraulic Fracturing”, available at: https://www.osha.gov/sites/default/files/publications/hydraulic_frac_hazard_alert.pdf
EX1022	U.S. Patent Application Publication 2019/0016536 by David Campbell et al. entitled “Proppant Conveyor Systems and Methods of Use” (“Campbell”)
EX1023	U.S. Patent No. 10,399,785 by Jonathan David Fike entitled “Compact Portable Conveyor” (“Fike”)
EX1024	U.S. Patent No. 3,998,436 by Albert Allen <i>et. al.</i> entitled “Mobile Concrete Batch Plant” (“Allen”)
EX1025	U.S. Patent No. 9,428,348 by Gary Teichrob <i>et. al.</i> entitled “Mobile Material Handling and Metering System” (“Teichrob”)
EX1026	U.S. Patent No. 10,053,308 by Corl Towes <i>et. al.</i> entitled “Portable Drive-Over Conveyor for Unloading Trucks” (“Toews”).
EX1027	U.S. Patent Application Publication 2012/0241290 by Brent J. Gausman et al. entitled “Portable Low Profile Drive-Over Truck Dump Conveyor System” (“Gausman”)
EX1028	U.S. Patent Application Publication 2021/0354910 by Sandor Weaver Grimes et al. entitled “Proppant Supply System” (“Grimes”)
EX1029	<u>EconoLoader Air Slide Conveyor Design</u> , https://web.archive.org/web/20160819062313/http://mcschroeder.com/wp-content/uploads/2012/09/Product-Spec-Sheet-Air-Slide-EconoLoader.pdf
EX1030	EconoLoader Screw Conveyor Design, https://web.archive.org/web/20160819112209/http://mcschroeder.co

	m/wp-content/uploads/2012/09/Product-Spec-Sheet-Auger-EconoLoader.pdf
EX1031	EconoLoader Drag Conveyor Design, https://web.archive.org/web/20160819173056/http://mcschroeder.com/wp-content/uploads/2012/09/Product-Spec-Sheet-Drag-EconoLoader1.pdf
EX1032	U.S. Patent No. 7,090,066 by Jason R. Kirsch entitled “Unloading System for Particulate Material” (“Kirsch”).
EX1033	Kania, L., et al. (2012). “A Catalogue Capacity of Slewing Bearings”. <i>Mechanism and Machine Theory</i> , 58, (29-45). https://doi.org/10.1016/j.mechmachtheory.2012.07.012
EX1034	Slewing bearings, https://web.archive.org/web/20200402104046/https://www.skf.com/group/products/slewing-bearings
EX1035	U.S. Department of Labor, OSHA, “Hydraulic Fracturing and Flowback Hazards Other than Respirable Silica” (OSHA 3763-12 2014) (“OSHA 3763”), available at: https://www.osha.gov/sites/default/files/publications/OSHA3763.pdf
EX1036	NOV SandBank Proppant Silo System, https://www.nov.com/products/sandbank-proppant-silo-system (from the June 11, 2025 Deposition of Mr. Travis A. Anderson)
EX1037	ForeSite Logistics – The Prop Tower, https://www.foresitelogistics.com/projects/prop-tower/ (from the June 11, 2025 Deposition of Mr. Travis A. Anderson)
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EX1040	’689 Patent, fig. 3 with annotations (from the June 11, 2025 Deposition of Mr. Travis A. Anderson)

EX1041	Hand-drawn Diagram (from the June 11, 2025 Deposition of Mr. Travis A. Anderson)
EX1042	[reserved]
EX1043	UNDER SEAL – Letter from Mike Stanton to Jeremy Weinstein, Solaris Oilfield Infrastructure – Portable Beltwall Silo Conveyor/Budgetary Proposal (Sept. 1, 2020) (from the June 18, 2025 Deposition of Mr. Dan Brinkman)
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EX1045	E-mail from Jeremy Weinstein to Mike Stanton, Revised Beltwall Spec (Oct. 28, 2020 2:28 PM) (from the June 18, 2025 Deposition of Mr. Dan Brinkman)
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EX1101	MASABA000005, e-mail attachment “S20124 – Solaris Layout.pdf” (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1102	E-mail from Mike Stanton to Jeremy Weinstein, Anchor Incline Silo Conveyor (Aug. 13, 2020 3:59 PM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
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	Anchor Incline Silo Conveyor (Sept. 1, 2020 10:14 PM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1104	UNDER SEAL – E-mail from Jeremy Weinstein to Mike Stanton, Revised Beltwall Spec (Oct. 28, 2020 2:28 PM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1105	E-mail from Mike Stanton to Jeremy Weinstein, Anchor BE Concept (Jan. 12, 2021 4:01 PM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1106	E-mail from Jeremy Weinstein to Mike Stanton et al., RE: BE System Quote (Jan. 20, 2021 4:24 PM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1107	UNDER SEAL – E-mail from Jeremy Weinstein to Mike Stanton, FW: Solaris Oilfield P.O. #90826 (Feb. 23, 2021 4:03 PM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1108	UNDER SEAL – E-mail from Derek Bullard to Mike Stanton et al., Solaris Oilfield P.O. #91578 (Jun. 2, 2021 #:38 PM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1109	E-mail from Mike Stanton to Jeremy Weinstein, RE: Weekly BE Project Update (Jun. 8, 2021 8:36 AM) (from the June 24, 2025 Deposition of Mr. Mike Stanton)
EX1110	Supplement Expert Declaration of Dr. Robert Durham in Support of Petitioners’ Petition
EX1111	Expert Declaration of David Smith in Support of Petitioners’ Petition
EX1112	Declaration of Jeremy Weinstein in Support of Petitioners’ Petition
EX1113	Transcript of June 11, 2025 Deposition of Mr. Travis A. Anderson
EX1114	Transcript of June 18, 2025 Deposition of Mr. Dan Brinkman
EX1115	UNDER SEAL – Transcript of June 24, 2025 Deposition of Mr. Michael Stanton

EX1116	UNDER SEAL – E-mail from Mike Stanton to Jeremy Weinstein, Anchor Group - Proposal (Jul. 2, 2020 8:04 AM).
EX1117	E-mail from Mike Stanton to Jeremy Weinstein, FW: Anchor Silo - Conveyor (Jul. 14, 2020 8:02 PM).
EX1118	E-mail from Mike Stanton to Jeremy Weinstein, RE: Conveyor Meeting (Oct. 5, 2020 10:21 AM).
EX1119	E-mail from Jeremy Weinstein to Mike Stanton, distribution ideas (Dec. 11, 2020 9:32 AM).
EX1120	E-mail from Jason Brenden to Jeremy Weinstein et al., Solaris - Bucket Elevator Concept - Loading Areas (Jan. 19, 2021 2:50 PM).
EX1121	E-mail from Jeremy Weinstein to Kelly Price, FW: DPR 08/30/21 (Aug. 31, 2021 8:26 AM).
EX1122	UNDER SEAL – Text message from Mike Stanton to Jeremy Weinstein (Jul. 30, 2021).
EX1123	UNDER SEAL – E-mail from Kelly Price to Jeremy Weinstein et al., FW: Follow up (Aug. 31, 2021 9:04 AM).
EX1124	UNDER SEAL – E-mail from Jeremy Weinstein to Mike Stanton, RE: Anchor Group - Mike Stanton (May 27, 2020 11:35 AM).
EX1125	E-mail from Dan Brinkman to Jeremy Weinstein et al., RE: Incline conveyor spec sheet (Dec. 8, 2020 11:46 AM).
EX1126	LeBlansch Vortex Dust Free Loading Spouts & Equipment, https://www.leblansch-vortexvalves.com/wp-content/uploads/2014/10/Loading-Solutions-beladings-balgen-brochure-vortex-valves-LeBlansch.pdf
EX1127	Dust Control and Loading Systems, Inc. (DCL), Product Line Brochure, https://dclinc.com/wp-content/uploads/2019/10/dclinc_fullline_brochure_english_sm.pdf
EX1128	Midwest International Articuloader II, https://midwestmagic.com/Resources/Files/tech-specs/Positioners-Articuloader-tech-spec.pdf

EX1129	UNDER SEAL – Engineering drawing of Solaris Silo “Six Pack” System
EX1130	“Liebherr MK 88 Plus Mobile Tower Crane Erects Asphalt Recycling Plant In The Netherlands”, available at: https://www.cranetrader.com/blog/crane-and-lifting-equipment-news/2020/12/liebherr-mk-88-plus-mobile-tower-crane-erects-asphalt-recycling-plant-in-the-netherlands
EX1131	Dictionary of Mechanical Engineering, G. H. F. Nayler, 1999, ISBN 10:81-7224-789-3
EX1132	Illustrated Dictionary of Mechanical Engineering, Griffith Pearson, 2015, ISBN 81-89093-48-7
EX1133	U.S. Patent No. 2,980,222 to Peter Crosby
EX1134	“Power Conveyor or Gravity Conveyor?”, available at: https://www.ashlandconveyor.com/pages/power-vs-gravity?srsId=AfmBOopTf-E4GchqwUxOzcOhANImtl9vtukvFiPL4D_NGfKalVLgXJU
EX1135	“Belt Installation, Tracking, and Maintenance Guide”, LEWCO, Inc., 2018.
EX1136	U.S. Patent No. 3,545,599 to Smith et al.
EX1137	“Automatic Vehicle Leveling System”, available at: https://www.gesmuhendislik.com/works/automatic-vehicle-leveling-system/
EX1138	“CST Storage Frac Sand Storage Solutions”, available at: https://www.cstindustries.com/wp-content/uploads/2019/01/Frac-Sand-Storage-Solutions-Brochure_web-version.pdf
EX1139	U.S. Patent No. 4,789,056 to Robert Bourbeau
EX1140	“Don’t Be Thrown a Curve: Understanding Belted Conveyor vs. Live Roller Conveyor in Curve Applications”, available at: https://blog.hytrol.com/dont-be-thrown-a-curve-understanding-belted-conveyor-vs-live-roller-conveyor-in-curve-applications/

EX1141	“How America's 'most reckless' billionaire created the fracking boom”, available at: https://www.theguardian.com/news/2018/aug/30/how-the-us-fracking-boom-almost-fell-apart
EX1142	“Gooseneck vs 5th Wheel”, available at: https://web.archive.org/web/20201203233432/https://www.curtmfg.com/5th-wheel/gooseneck-adapters/learn-more
EX1143	“HOLLAND FW35”, available at: https://safholland.com/us/en/products/holland-fw35-sd?tx_productcataloguesaf_productcatalogue%5BpreviousCategory%5D=35&cHash=04537b6b9686f2eb6129cdc9c895b3c7
EX1144	U.S. Patent No. 4,135,614 to Penterman et al.
EX1145	U.S. Patent No. 10,414,599 to McCloskey et al.
EX1146	U.S. Patent No. 10,556,752 to McCloskey et al.
EX1147	U.S. Patent No. 8,684,161 to Gausman et al.
EX1148	U.S. Patent Publication No. 2007/0029170 to Daniel Anagnost
EX1149	U.S. Patent No. 9,616,799 to David Smith
EX1150	Engineering Manual – Innovative Belt & Chain Solutions for Every Industry & Application
EX1151	“A Review on the Angle of Repose of Granular Material”, by Al-Hashemi et al., <i>Powder Technology</i> , pgs. 397-417, 27 Feb. 2018 (https://www.sciencedirect.com/science/article/pii/S0032591018301153 [https://doi.org/10.1016/j.powtec.2018.02.003]).
EX1152	U.S. Patent No. 11,185,900 to Smith et al.
EX1153	“Frac Sand Storage and Handling System”, available at: https://www.tankconnection.com/assets/pdf/frac-sand-system.pdf [https://web.archive.org/web/20170301134047/http://www.tankconnection.com:80/assets/pdf/frac-sand-system.pdf]
EX1154	Demonstratives for Oral Argument

Respectfully submitted,

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Date: November 10, 2025

CERTIFICATE OF SERVICE

In accordance with 37 C.F.R. § 42.6(e), I hereby certify that on November 10, 2025 a true and correct copy of the **PETITIONERS' UPDATED EXHIBIT LIST and Exhibit 1154** were served electronically via e-mail in its entirety on counsel identified below by the Patent Owner for service at:

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