



US0D1005346S

(12) **United States Design Patent**
Huegerich et al.

(10) **Patent No.:** **US D1,005,346 S**

(45) **Date of Patent:** **** Nov. 21, 2023**

(54) **WORK VEHICLE**

D297,142 S 8/1988 Funabashi et al.
D304,589 S 11/1989 Lanphere et al.
D309,738 S * 8/1990 Schober D15/26
(Continued)

(71) Applicant: **Deere & Company**, Moline, IL (US)

(72) Inventors: **Daniel J. Huegerich**, Johnston, IA (US); **Felix Nagelin**, Malibu, CA (US); **Alex Kish**, Thousand Oaks, CA (US); **Ryan Pecinovsky**, Cedar Falls, IA (US); **Terry Zwart**, Loveland, CO (US); **Parker Wells**, Cedar Falls, IA (US); **Thomas Boe**, Cedar Falls, IA (US)

FOREIGN PATENT DOCUMENTS

CN 304913471 S 11/2018
CN 305100471 S 5/2019
(Continued)

OTHER PUBLICATIONS

(73) Assignee: **DEERE & COMPANY**, Moline, IL (US)

60 HP Blue Sonalika DI 47 Rx Tractor, retrieved from Internet <<https://www.indiamart.com/proddetail/sonalika-di-47-rx-tractor-19114279955.html>> Jun. 26, 2019, 5 pages.
(Continued)

(**) Term: **15 Years**

(21) Appl. No.: **29/868,136**

Primary Examiner — Mark A Goodwin
(74) *Attorney, Agent, or Firm* — KLINTWORTH & ROZENBLAT IP LLP

(22) Filed: **Nov. 21, 2022**

Related U.S. Application Data

(62) Division of application No. 29/709,227, filed on Oct. 11, 2019, now Pat. No. Des. 974,416.

(51) **LOC (14) Cl.** **12-09**

(52) **U.S. Cl.**
USPC **D15/23**

(58) **Field of Classification Search**
USPC D15/10, 11, 13-17, 28, 22-26, 30, 31, D15/33; D12/173
CPC B62D 49/00-085; B62D 25/10; B62D 25/00; B60R 19/52; B60R 21/38
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a work vehicle, as shown and described.

DESCRIPTION

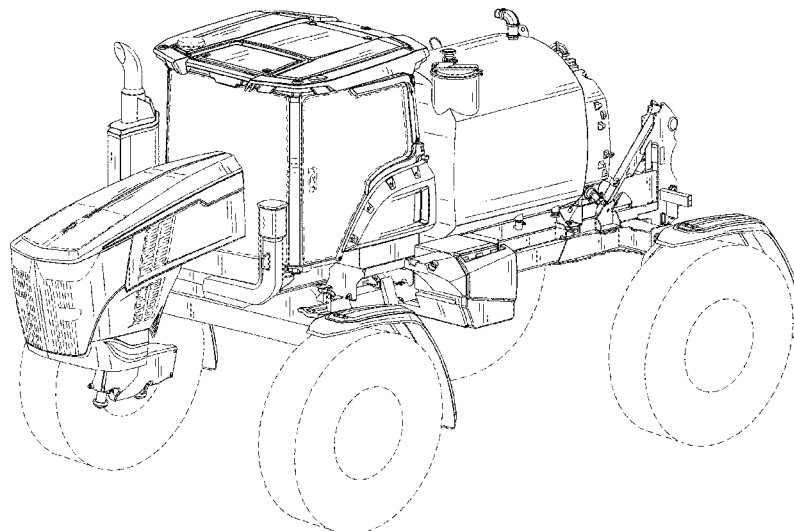
FIG. 1 is a perspective view of a work vehicle according to our new design;
FIG. 2 is a first side elevational view thereof;
FIG. 3 is a second side elevational view thereof;
FIG. 4 is a first end elevational view thereof, shown enlarged for clarity;
FIG. 5 is a second end elevational view thereof shown enlarged for clarity;
FIG. 6 is a first plan view thereof; and,
FIG. 7 is a second plan view thereof.
The broken line representations in the figures depict unclaimed environment and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,216,366 A 10/1940 Greene
D283,135 S 3/1986 Funabashi et al.
D288,206 S 2/1987 Moscovitch
D294,223 S 2/1988 Gollon et al.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D311,543 S	10/1990	Hardzinski et al.	D591,437 S	4/2009	Saridakis et al.
D327,276 S	6/1992	Sorensen	D591,777 S	5/2009	Kokitkar et al.
5,267,696 A *	12/1993	Balmer A01C 15/00 239/662	D593,233 S	5/2009	Bai et al.
D344,737 S *	3/1994	Long D15/13	D594,797 S	6/2009	Lee
D348,678 S	7/1994	Budde	D594,908 S	6/2009	Sauter
D351,843 S *	10/1994	Larson D15/13	D595,778 S	7/2009	Sauter
D353,704 S	12/1994	Bhambra	D595,779 S	7/2009	Sauter
D355,919 S *	2/1995	Larson D15/13	D596,205 S	7/2009	Kawashiri et al.
D381,025 S	7/1997	Bataille	D596,671 S	7/2009	Sauter
D398,616 S	9/1998	Kwak et al.	D597,007 S	7/2009	Ferman
D416,266 S	11/1999	Del Torchio	D598,831 S	8/2009	Honsel et al.
D419,164 S	1/2000	Heiler et al.	D600,183 S	9/2009	Habib
D424,580 S	5/2000	Moehle et al.	D600,185 S	9/2009	Habib
6,058,637 A	5/2000	Duncan	D600,376 S	9/2009	Sugiura
D430,579 S	9/2000	Westendorf et al.	D601,730 S	10/2009	Richards et al.
D443,852 S	6/2001	Huang	D602,047 S	10/2009	Kushita et al.
D447,153 S	8/2001	Hornung	D602,507 S	10/2009	Kushita
D447,754 S	9/2001	Smith et al.	D602,616 S	10/2009	Okamura et al.
D448,037 S	9/2001	Westimayer et al.	D602,991 S	10/2009	Sauter
D451,106 S	11/2001	Crookes et al.	D603,881 S	11/2009	Tamplain, III et al.
D451,870 S	12/2001	Hurayt	D605,207 S	12/2009	Menges et al.
D458,944 S	6/2002	Crookes et al.	D605,668 S	12/2009	Matsumoto et al.
D470,811 S	2/2003	Carroll	D607,391 S	1/2010	Krauss
D471,142 S	3/2003	Carroll	D609,750 S	2/2010	Sauter
D471,143 S	3/2003	Carroll	D611,963 S	3/2010	Kuwae et al.
D474,206 S	5/2003	Kuwae	D613,220 S	4/2010	Ikeda et al.
D476,100 S	6/2003	Lin	D613,224 S	4/2010	Beigel et al.
6,595,550 B1	7/2003	Meazzi	D613,313 S	4/2010	Bhanuprakash
D483,383 S	12/2003	Crookes et al.	D614,105 S	4/2010	Elliott et al.
D484,080 S	12/2003	Yamamoto et al.	D614,205 S	4/2010	Kuwae et al.
D492,922 S	7/2004	Numata	D620,157 S	7/2010	Frenzel et al.
D495,344 S	8/2004	Farlow et al.	D620,503 S	7/2010	Krogh et al.
D495,345 S	8/2004	Farlow et al.	D620,955 S	8/2010	Krogh et al.
D496,314 S	9/2004	Perfetti et al.	D621,757 S	8/2010	Denet
D499,680 S	12/2004	Lucas	D623,104 S	9/2010	Akasawa et al.
D512,079 S	11/2005	Farlow et al.	D625,741 S	10/2010	Seidel et al.
D512,445 S	12/2005	Farlow et al.	D628,599 S	12/2010	Major
D517,121 S	3/2006	Li	D629,017 S	12/2010	Major
D520,527 S	5/2006	Crookes et al.	D629,818 S	12/2010	Rummer et al.
D521,532 S	5/2006	Higashikawa	D631,489 S	1/2011	Booth et al.
D522,425 S	6/2006	Beigel et al.	D632,312 S	2/2011	Booth et al.
D527,742 S	9/2006	Kuwae	D632,704 S	2/2011	Seidel et al.
D527,743 S	9/2006	Asada et al.	D636,000 S	4/2011	Kim et al.
D528,134 S	9/2006	Vandendriessche et al.	D637,127 S	5/2011	Faghihzadeh
D531,646 S	11/2006	McCarren, Jr. et al.	D641,027 S	7/2011	Kawashiri et al.
D531,647 S	11/2006	Stender et al.	D642,597 S	8/2011	Krogh et al.
D532,021 S	11/2006	Kuwae et al.	D643,444 S	8/2011	Colvin et al.
D533,569 S	12/2006	Mursch	D646,305 S	10/2011	Krogh et al.
D533,882 S	12/2006	Higashikawa	D646,333 S	10/2011	Davis
D541,825 S	5/2007	Pettersson	D649,584 S	11/2011	Kovaliv
D541,826 S	5/2007	Brush et al.	D650,816 S	12/2011	Koponen et al.
D546,254 S	7/2007	Teng	D655,317 S	3/2012	Hagele et al.
D546,255 S	7/2007	Teng	D655,318 S	3/2012	Hagele et al.
D553,159 S	10/2007	Higashikawa et al.	D655,319 S	3/2012	Hagele
D553,161 S	10/2007	Matsumoto	D659,060 S	5/2012	Inoue et al.
D553,268 S	10/2007	Pfeiffer	D659,722 S	5/2012	Blind et al.
D554,669 S	11/2007	Crookes et al.	D660,753 S	5/2012	Faghihzadeh
D556,789 S	12/2007	Kitayama et al.	D660,755 S	5/2012	Inoue et al.
D557,714 S	12/2007	Higashikawa	D660,874 S	5/2012	Werner et al.
D558,797 S	1/2008	Yamamoto et al.	D660,879 S	5/2012	Laugurette
D558,799 S	1/2008	Higashikawa	D660,881 S	5/2012	Bohme et al.
D560,693 S	1/2008	Moen et al.	D661,323 S	6/2012	Krogh et al.
D561,205 S	2/2008	Pettersson	D662,524 S	6/2012	Crookes et al.
D565,211 S	3/2008	Haller et al.	D663,229 S	7/2012	Waltersdorf
D567,257 S	4/2008	Wilkens	D663,752 S	7/2012	Hickman et al.
D568,905 S	5/2008	Heusinger et al.	D663,753 S	7/2012	Hickman et al.
D570,015 S	5/2008	Hsu	D665,428 S	8/2012	Tickman et al.
D570,378 S	6/2008	Heusinger et al.	D665,429 S	8/2012	Hickman et al.
D570,382 S	6/2008	Higashikawa	D667,851 S	9/2012	Warr
D571,378 S	6/2008	Bernard et al.	D668,693 S	10/2012	Ringer
D574,022 S	7/2008	Higashikawa	D668,695 S	10/2012	Ringer
D579,028 S	10/2008	VanDeVeer et al.	D670,744 S	11/2012	Ewringmann
D581,467 S	11/2008	Winningham et al.	D670,745 S	11/2012	Warr
D581,955 S	12/2008	Matsumoto et al.	D671,566 S	11/2012	Fang et al.
			D673,489 S	1/2013	Hanson et al.
			D674,410 S	1/2013	Blind et al.
			D674,820 S	1/2013	Budde
			D674,821 S	1/2013	Budde
			D674,938 S	1/2013	Lai

(56)

References Cited

U.S. PATENT DOCUMENTS

D675,233 S	1/2013	Kushita et al.	D777,219 S	1/2017	Hanke et al.	
D676,463 S	2/2013	Ewringmann et al.	D777,220 S	1/2017	Powell	
D676,466 S	2/2013	Ewringmann et al.	D777,805 S	1/2017	Steinhardt et al.	
D676,786 S	2/2013	Werner et al.	D777,957 S	1/2017	Ha et al.	
D682,323 S	5/2013	Ryan et al.	D778,963 S	2/2017	Yang et al.	
D682,324 S	5/2013	Ryan et al.	D780,231 S	2/2017	Saari et al.	
D687,868 S	8/2013	Watson et al.	D780,232 S	2/2017	Saari et al.	
D688,176 S	8/2013	Campbell et al.	D780,233 S	2/2017	Saari et al.	
D690,635 S	10/2013	Hovind et al.	D780,235 S	2/2017	Kim	
D697,536 S	1/2014	Nuebel	D783,059 S	4/2017	Okuyama et al.	
D699,765 S	2/2014	Tentinger et al.	D783,476 S	4/2017	Huang	
D699,766 S	2/2014	Ryan et al.	D784,425 S	4/2017	Cooksey et al.	
D702,608 S	4/2014	Hall et al.	D784,887 S	4/2017	Woolley	
D702,610 S	4/2014	Hall et al.	D785,050 S	4/2017	Okuyama et al.	
D703,699 S	4/2014	Shimomura et al.	D785,051 S	4/2017	Okuyama et al.	
D704,749 S	5/2014	Shimomura et al.	D785,053 S	4/2017	Okuyama et al.	
D704,750 S	5/2014	Shimomura et al.	D785,681 S	5/2017	Okuyama et al.	
D706,841 S	6/2014	Shimomura et al.	D786,945 S	5/2017	Smith et al.	
D707,729 S	6/2014	Jackson et al.	D787,721 S	5/2017	Lai	
D707,730 S	6/2014	Jackson et al.	D789,427 S	6/2017	Jackson et al.	
D709,419 S	7/2014	Watkins	D791,659 S	7/2017	Ito et al.	
D710,264 S	8/2014	Watkins et al.	D792,300 S	7/2017	Ferman	
D711,302 S	8/2014	van Braeckel	D792,483 S	7/2017	Jackson et al.	
D711,930 S	8/2014	Kuwaie et al.	D794,086 S *	8/2017	Thompson	D15/26
D713,075 S	9/2014	Lee	D794,521 S	8/2017	Tseng	
D714,838 S	10/2014	Shimomura et al.	D797,332 S	9/2017	Lin	
D715,332 S	10/2014	Kuwaie	D799,728 S	10/2017	Whitla et al.	
D716,348 S	10/2014	Ryan et al.	D800,038 S	10/2017	Ferman	
D716,846 S	11/2014	Carter et al.	D802,871 S	11/2017	Knie	
D717,838 S	11/2014	Kuwaie et al.	D803,435 S	11/2017	Cotner et al.	
D720,370 S	12/2014	Carter et al.	D804,539 S	12/2017	Okuyama et al.	
D720,371 S	12/2014	Furukawa et al.	D808,315 S	1/2018	Danze	
D720,871 S	1/2015	Lim et al.	D809,682 S	2/2018	Lin	
D721,105 S	1/2015	Okuyama et al.	D815,001 S	4/2018	Banceu et al.	
D721,742 S	1/2015	Lee et al.	D815,577 S	4/2018	Chiang	
D721,994 S	2/2015	Graber et al.	D822,241 S	7/2018	Lee et al.	
D722,187 S	2/2015	Gerardo	D824,058 S	7/2018	Hong et al.	
D727,371 S	4/2015	Rhayakar et al.	D824,305 S	7/2018	Henry et al.	
D728,631 S	5/2015	Richard et al.	D828,245 S	9/2018	Scott	
D728,640 S	5/2015	Turner et al.	D837,837 S	1/2019	Park	
D729,281 S	5/2015	Carter et al.	D838,295 S *	1/2019	Schwalbe	D15/26
D729,282 S	5/2015	Sasaki	D843,421 S	3/2019	Gonzales et al.	
D733,767 S	7/2015	Kushita et al.	D843,621 S	3/2019	Yang	
D733,945 S	7/2015	Kennemer et al.	D851,794 S	6/2019	Lin	
D734,781 S	7/2015	Schnering et al.	D854,056 S	7/2019	Futagami et al.	
D736,270 S	8/2015	Jackson et al.	D861,741 S	10/2019	Humphrey et al.	
D740,976 S	10/2015	Ko et al.	D863,160 S	10/2019	Gifford et al.	
D743,065 S	11/2015	Weil	D865,600 S	11/2019	Goodrich et al.	
D745,717 S	12/2015	Wu	D866,824 S	11/2019	Lin	
D748,677 S	2/2016	Kushita et al.	D867,249 S	11/2019	Chen	
D749,148 S	2/2016	Darekar et al.	D871,462 S	12/2019	Svitek et al.	
D749,149 S	2/2016	McAdam et al.	D874,033 S	1/2020	Park Cheng et al.	
D749,645 S *	2/2016	Okuyama	D874,524 S	2/2020	Iwata et al.	
D751,611 S	3/2016	Smith et al.	D877,209 S	3/2020	Winkel et al.	
D753,194 S	4/2016	Jackson et al.	D878,428 S *	3/2020	Furuki	D15/26
D753,195 S	4/2016	Jackson et al.	D880,537 S	4/2020	Roach et al.	
D754,210 S	4/2016	Margutti et al.	D883,535 S	5/2020	He	
D755,256 S	5/2016	Okuyama et al.	D887,041 S	6/2020	Lin	
D756,003 S	5/2016	Kong et al.	D888,783 S *	6/2020	Esau	D15/26
D756,421 S	5/2016	Okuyama et al.	D890,382 S	7/2020	Wu	
D757,826 S	5/2016	Hartz et al.	D892,175 S *	8/2020	Leeb	D15/26
D759,129 S	6/2016	Kushita et al.	D892,369 S	8/2020	Lin	
D760,410 S	6/2016	Arroba	D893,066 S	8/2020	Lin	
D760,815 S	7/2016	Okuyama et al.	D895,730 S	9/2020	Nagelin et al.	
D763,756 S	8/2016	Enz	D902,815 S	11/2020	Wheel	
D765,740 S	9/2016	Jackson et al.	D910,086 S *	2/2021	Keen	D15/33
D766,339 S	9/2016	Hanke et al.	D982,040 S *	3/2023	O'Connell	D15/26
D766,340 S	9/2016	Jackson et al.	2004/0123504 A1	7/2004	Williams	
D766,341 S	9/2016	Jacobsthal et al.	2006/0144970 A1 *	7/2006	Hagie	A01M 7/0042 239/664
D768,210 S	10/2016	Jacobsthal et al.	2011/0147497 A1 *	6/2011	Hiddema	A01C 23/047 239/722
D772,309 S	11/2016	Underhill et al.	2014/0217718 A1	8/2014	ODonnell et al.	
D774,111 S	12/2016	Underhill et al.				
D775,033 S	12/2016	Wang				
D775,244 S	12/2016	Hart et al.				
D777,215 S	1/2017	Moritaka et al.				

(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0307033 A1 10/2015 Preisler et al.
2018/0117954 A1 5/2018 Brown

FOREIGN PATENT DOCUMENTS

KR 300611812 S 9/2011
KR 300789169 S 3/2015

OTHER PUBLICATIONS

Case Farmall A Series Tractors Brochure, 2011, 7 pages.
Case Farmall C Tractors Brochure, 2013, 16 pages.
Case Farmall U Tractors Brochure 11-13, 2013, 12 pages.
Case Maxxum Series Tractors Brochure, 2012, 24 pages.
Case Steiger Tractor Brochure, 2014, 32 pages.
Challenger MT 465 B Tractor Decals, retrieved from Internet <<https://equipment-decals.myshopify.com/products/challenger-mt-465-b-tractor-decals>> Jun. 26, 2019, 5 pages.
Deutz 5 series brochure, publicly available before May 2015, 24 pages.
Deutz 308 8514 34-1 Series 7 Agrotan, publicly available before May 2015, 28 pages.
Deutz-Fahr, Deutz Agroclimber F-V—Tractors Crawlers, retrieved from internet <<http://www.deutz-fahr.com/en-US/products/tractors/722-agroclimber-f-v>> May 19, 2015, 5 pages.
Deutz Agrofarm-g brochure, publicly available before May 2015, 11 pages.
Deutz-Fahr, Deutz Agrolux 65-75—Tractors Open field, retrieved from internet <<http://www.deutz-fahr.com/en-US/products/tractors/835-agrolux-65-75>> May 19, 2015, 4 pages.
Deutz-Fahr, Deutz Agrolux 310-320-410—Tractors Open field, retrieved from internet <<http://www.deutz-fahr.com/en-US/products/tractors/864-agrolux-310-320-410>> May 19, 2015, 4 pages.
AGCO, Fendt 200Vario, publicly available before May 2015, 17 pages.
John Deere Pedal Tractor Decals Tractors, retrieved from internet <<http://todayview.co/ideas/>> Jun. 26, 2019, 3 pages.
Mahindra Jivo 245, retrieved from internet <<https://tractorsinfo.com/mahindra-jivo-245-di-4wd-mini-tractor-price-list/>> Jun. 26, 2019, 9 pages.
Mahindra Tractor Jivo 245 DI, retrieved from internet <<https://www.tractorjunction.com/product/370/mahindra-tractor-ivo-245-di>> Jun. 26, 2019, 5 pages.
Solis 75N Traktor Schlepper Kein New Holland, retrieved from internet <<https://www.mascus.com/agriculture/used-tractors/solis-75n-tractor-schlepper-kein-new-h>> Jun. 26, 2019, 3 pages.

Tractor Decals, retrieved from internet <<https://www.indiamart.com/proddetail/tractor-decals-10179545988.html>>, Jun. 29, 2019, 4 pages.
Mahindra targets 50% share in domestic tractor market with Trakstar brand, retrieved from internet <<https://www.moneycontrol.com/news/technology/auto/mahindra-targets-50-share-in-domestic-tractor-market-with-trakstar-brand-2645381.html>> Jun. 27, 2019, 6 pages.
Hagner et al., Operator Station for Work Vehicle, unpublished U.S. design U.S. Appl. No. 29/647,298, filed May 11, 2018, 101 pages.
Big 4, available at least as early as May 2015, 1 page.
Cub Cadet, available at least as early as May 2015, 1 page.
Massey Ferguson, available at least as early as May 2015, 1 page.
International Harvester, available at least as early as May 2015, 1 page.
Deutz-Fahr (7250 TTV Warrior), available at least as early as May 2015, 4 pages.
Deere & Company, Deere 8R-8RT Series, 2015, 6 pages.
AGCO, Fendt 900 Series, 2012, 28 pages.
Case Magnum 180-380 Brochure, 2014, 28 pages.
AGCO, Fendt 300Vario, available at least as early as May 2015, 23 pages.
AGCO, Fendt 500Vario, available at least as early as May 2015, 25 pages.
AGCO, Fendt 700 series brochure, 2012, 32 pages.
AGCO, Fendt 800 Vario, 2014, 4 pages.
AGCO, Fendt X Concept Tractors, retrieved from <<http://www.fendt.com/us/2466.asp>> May 18, 2015, 3 pages.
Case Puma Series Brochure, 2011, 28 pages.
Deutz-Fahr 6 Series, available at least as early as May 2015, 32 pages.
Deere Flared Fenders, available at least as early as May 2015, 1 page.
Deere Reverse Decal, available at least as early as May 2015, 1 page.
Agritechnica 2017—Gold and Silver, <https://www.agritechnica.com/en/innovation-award/gold-and-silver/>, accessed Feb. 5, 2017, 18 pages.
Deere & Company, 9R/9RT/9RX Series Tractors, 4WD, 2-Track, 4-Track and Scraper-Special models 370-620 engine hp Brochure, Sep. 2017.
John Deere, Self-Propelled Application Equipment Brochure, Jun. 2018. (32 pages).
Agrifac, sample sprayer images, unknown date, (1 page).
Amazone, sample sprayer images, unknown date. (1 page).
Case, sample sprayer images, unknown date. (1 page).
Fendt, sample sprayer images, unknown date. (1 page).
Horsch, sample sprayer images, unknown date. (1 page).
New Holland, sample sprayer images, unknown date. (1 page).

* cited by examiner

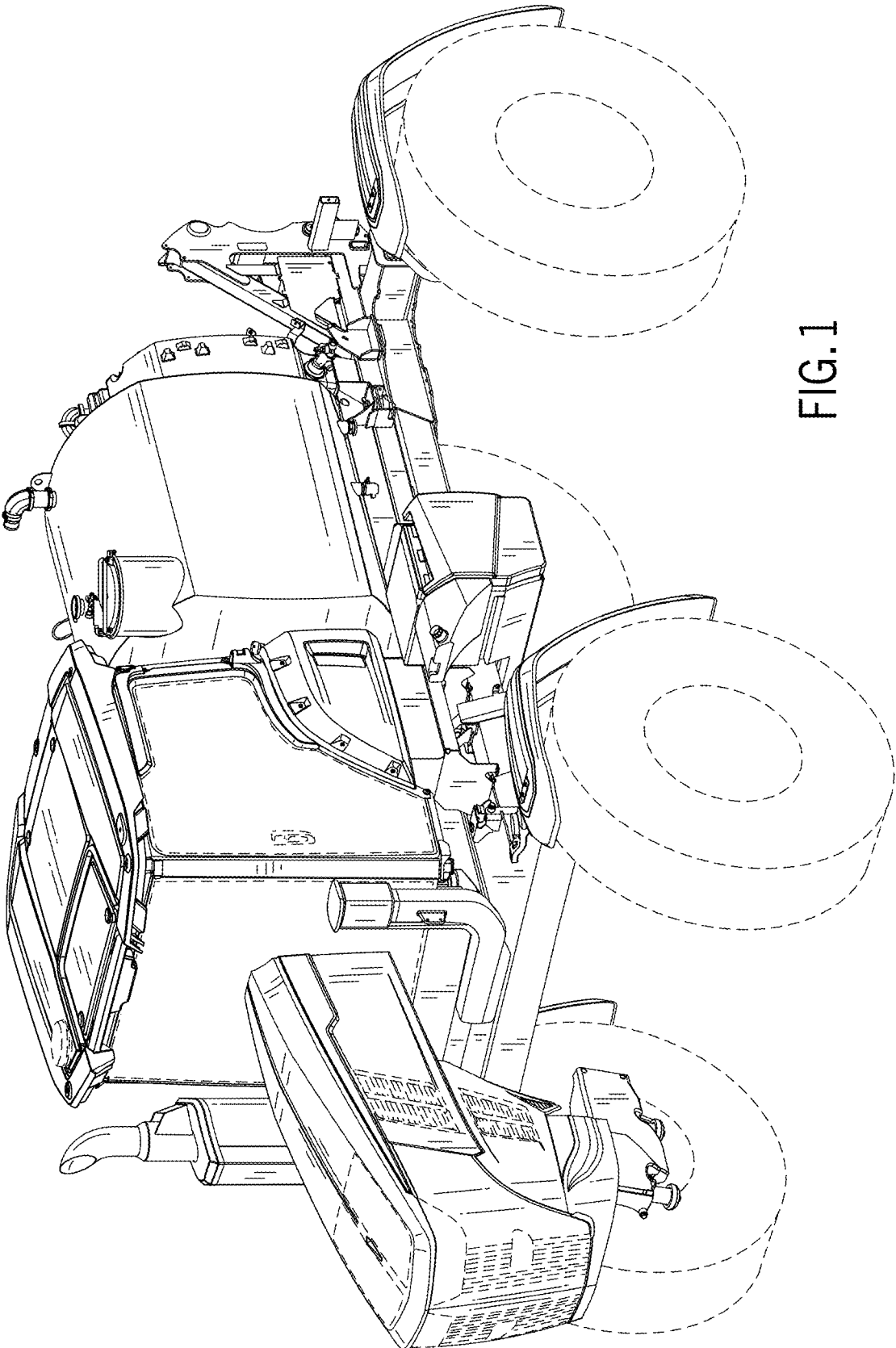


FIG. 1

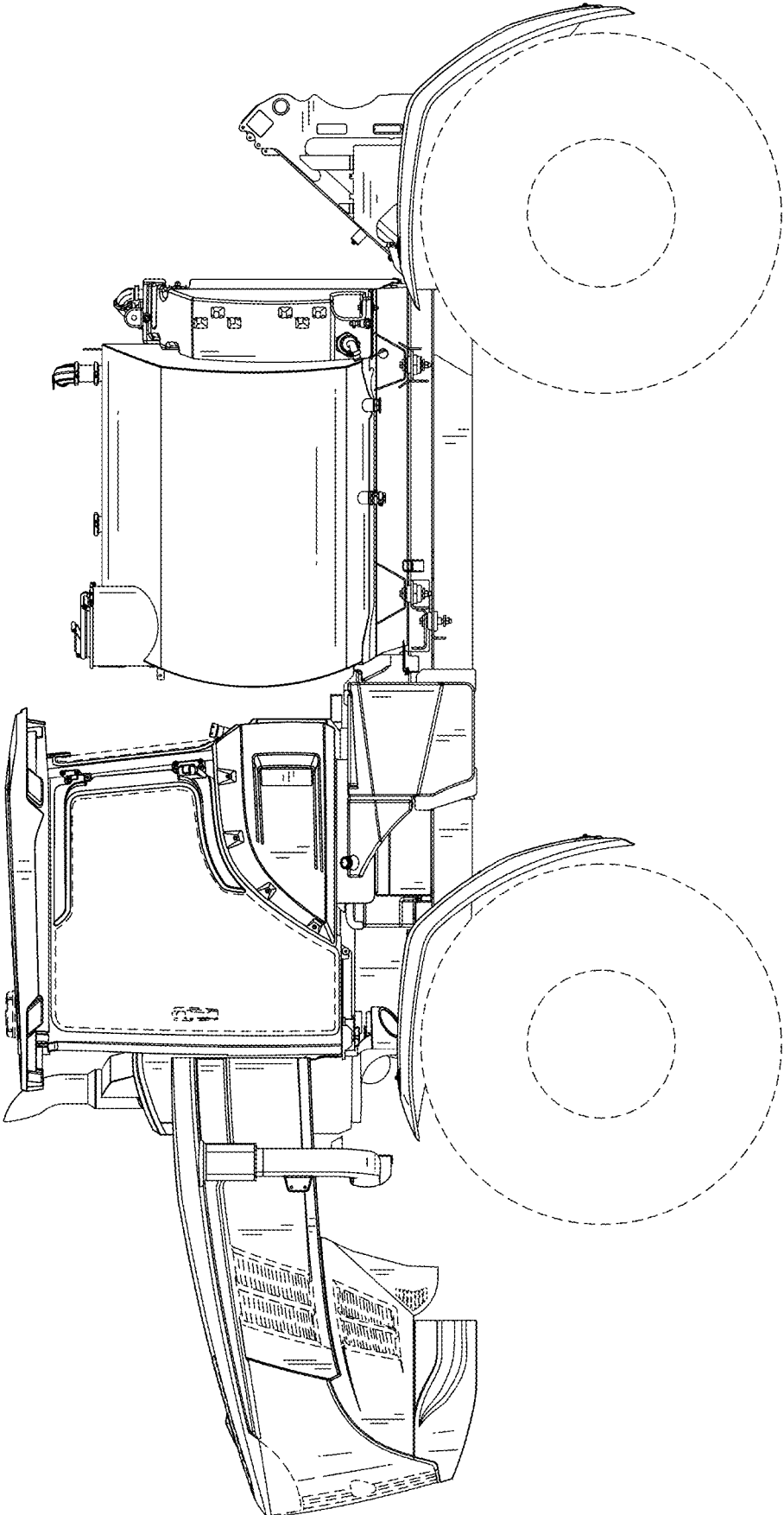


FIG. 2

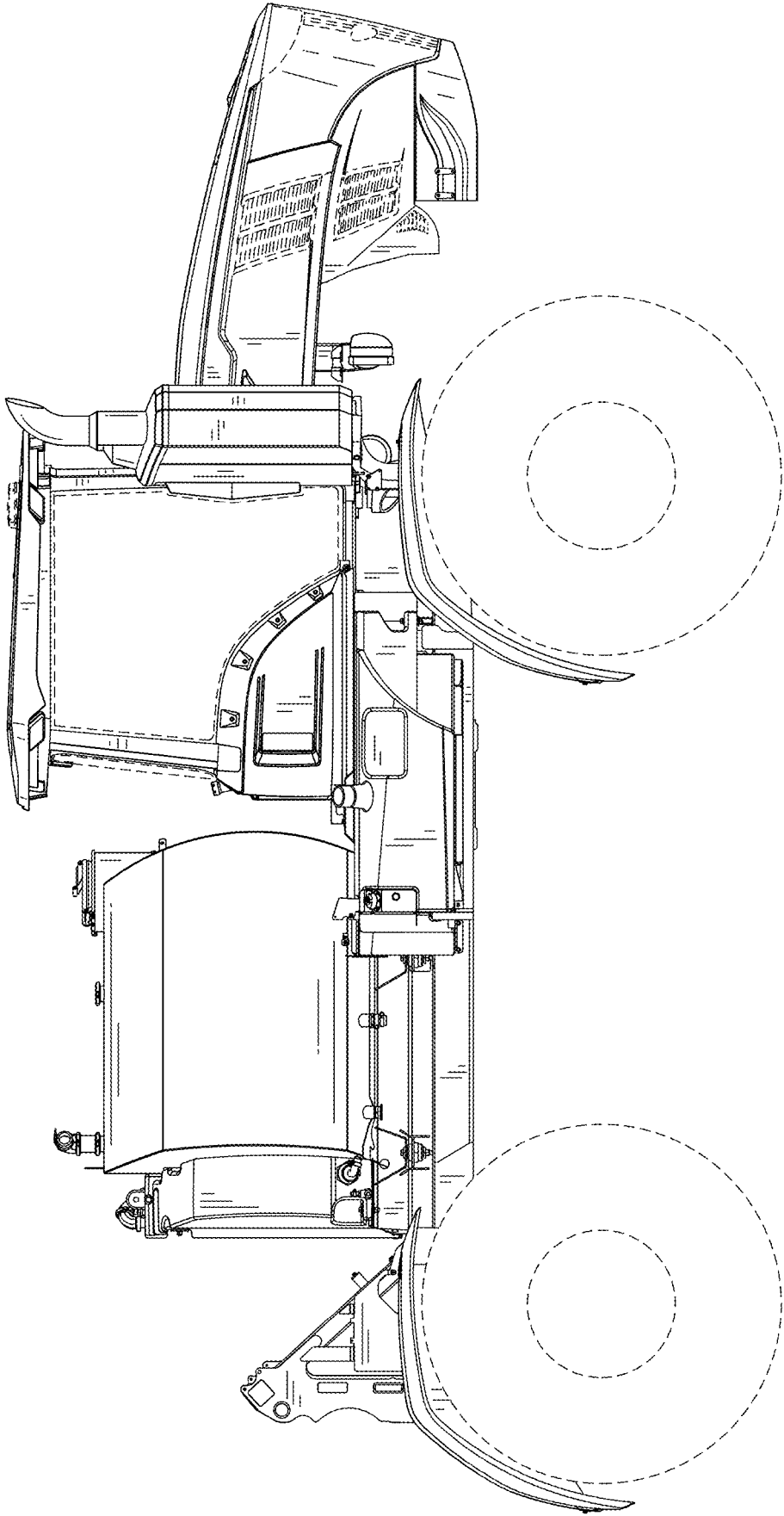


FIG. 3

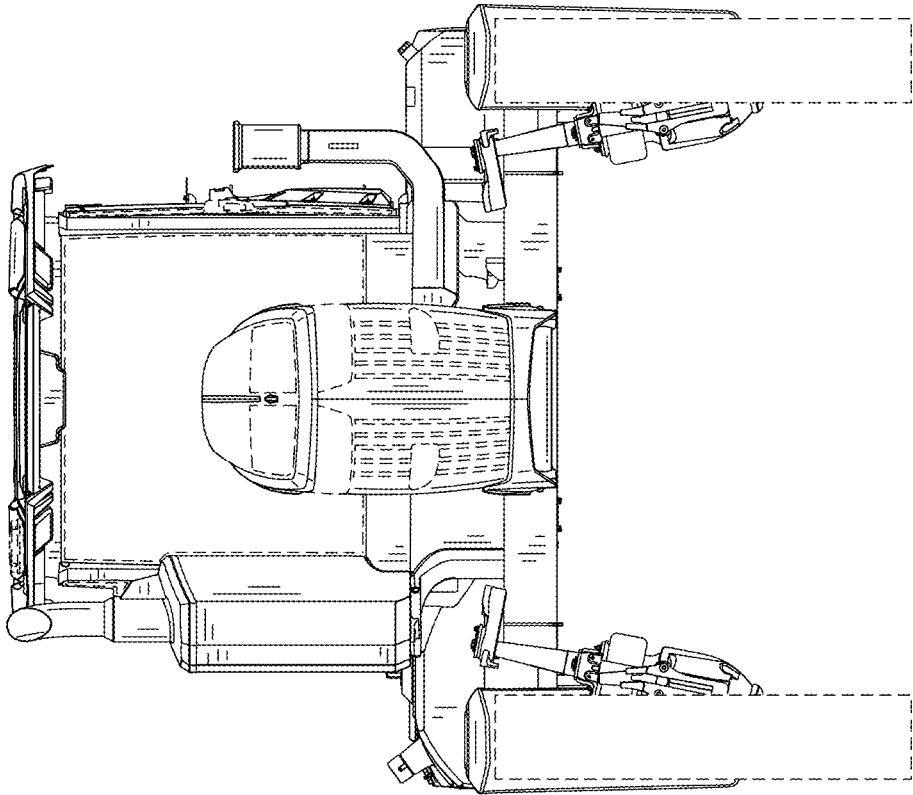


FIG. 4

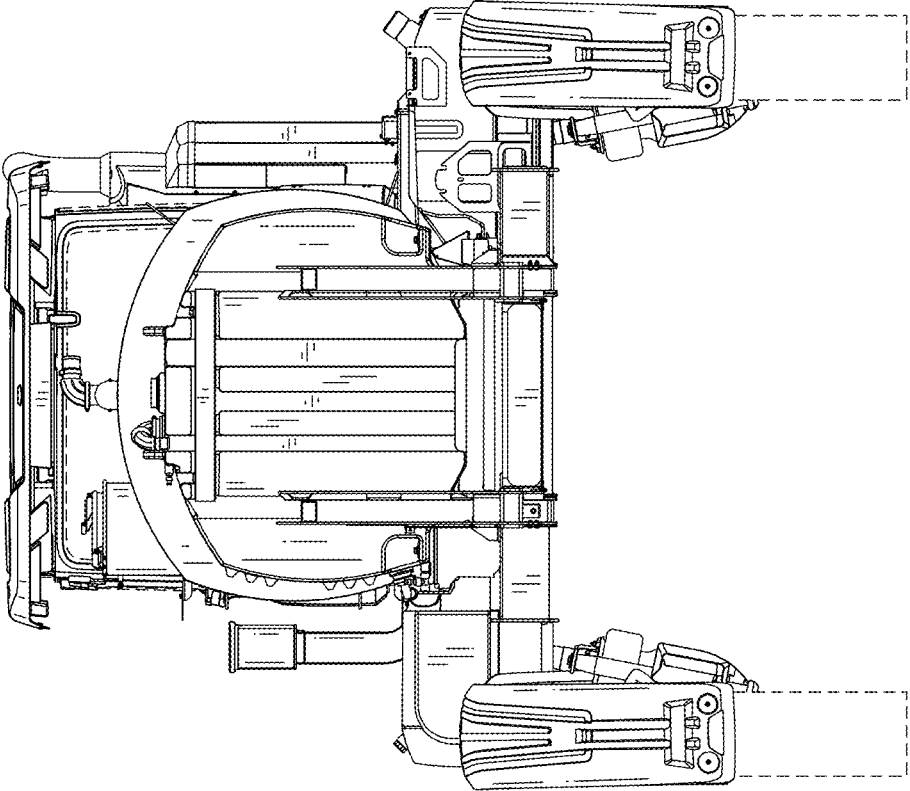


FIG. 5

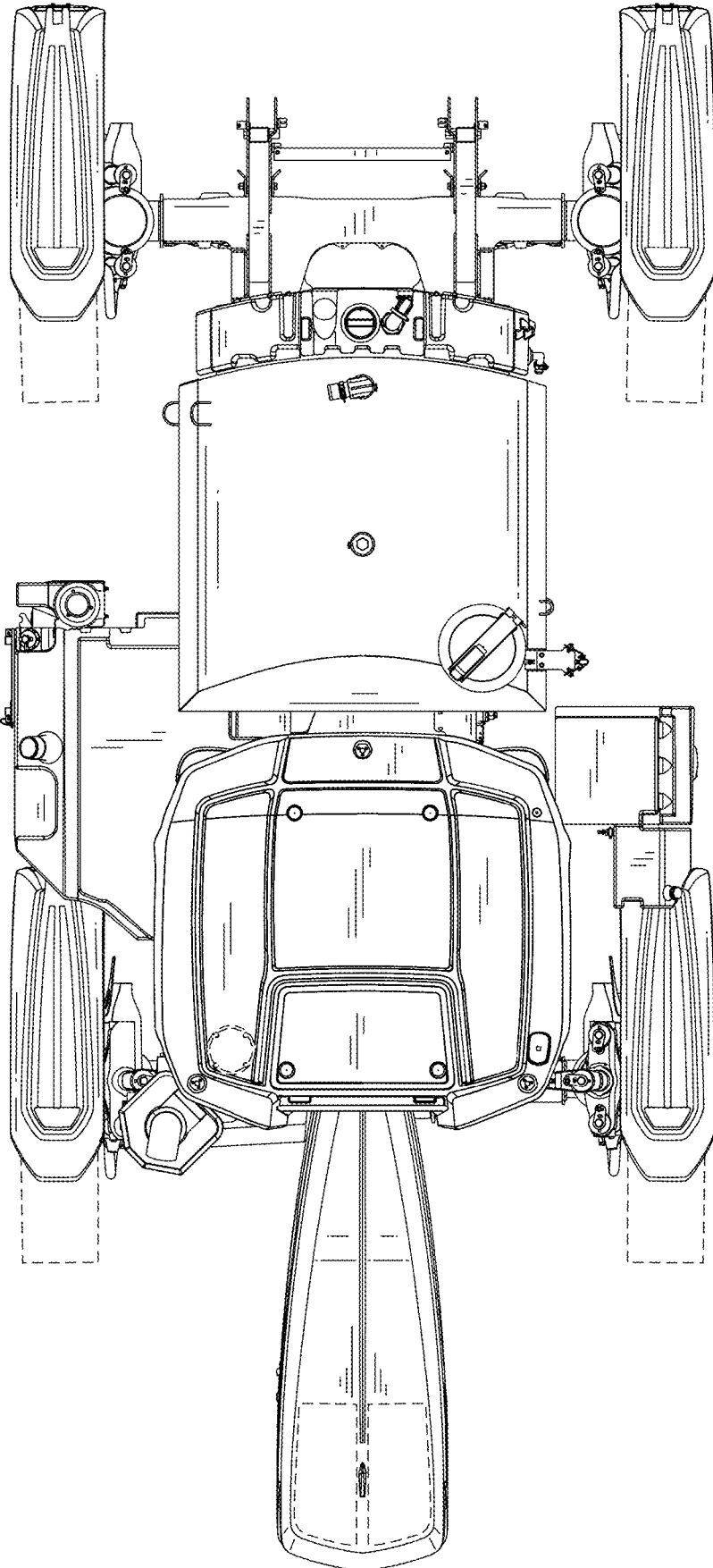


FIG. 6

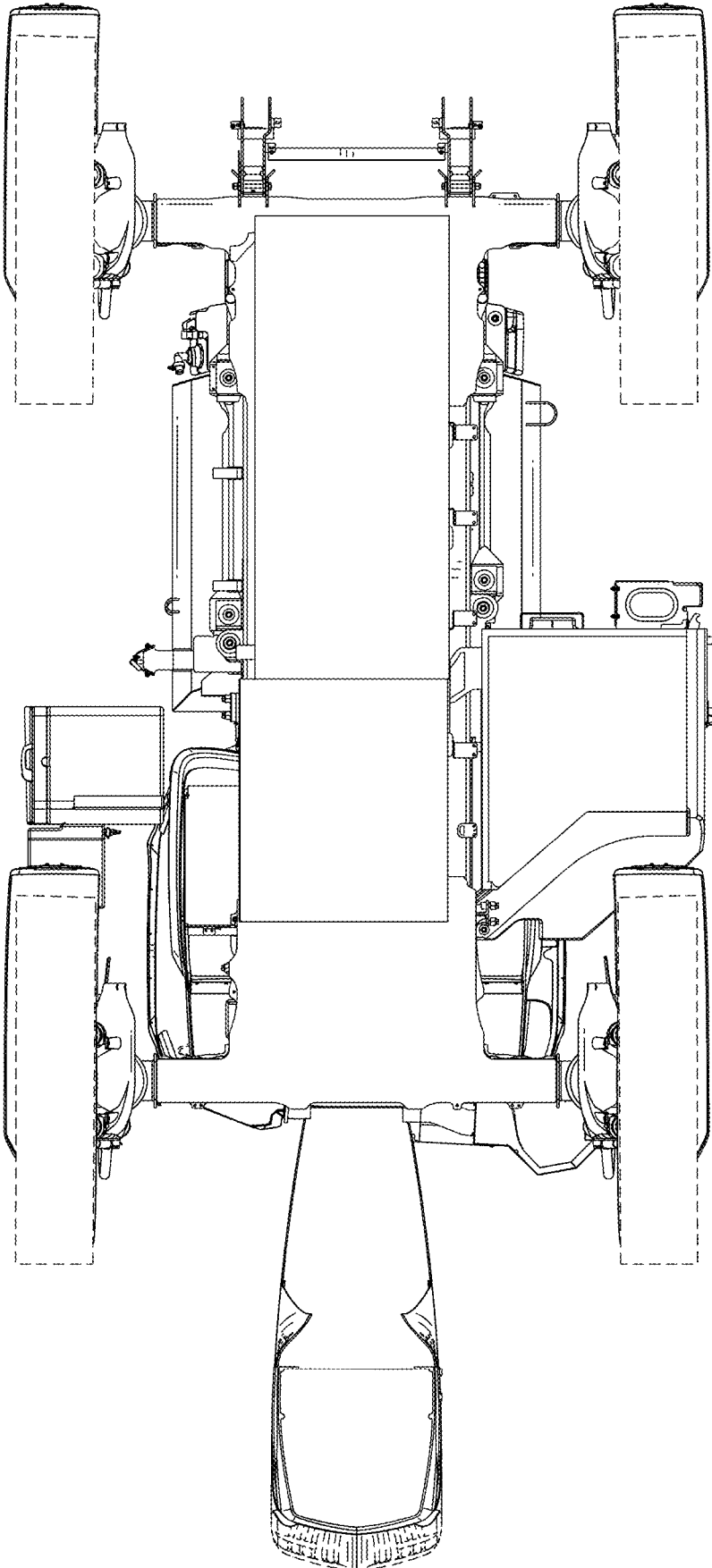


FIG. 7