

(12) United States Design Patent (10) Patent No.: Li et al.

US D1,089,322 S

(45) **Date of Patent:**

** Aug. 19, 2025

(54) ENGINE

(71) Applicant: Discovery Energy, LLC, Kohler, WI

(72) Inventors: Weidong Li, Shanghai (CN); Jinhong

Li, Chongqing (CN); Jacky Zhang, Chongqing (CN); Vania Galvan, Álvaro Obregón (MX); Vaibhav Prabhakar Wagh, Maharashtra (IN); Haiting Wang, Chongqing (CN); Mark J. Huibregtse, Elkhart Lake, WI (US)

Assignee: Discovery Energy, LLC, Kohler, WI

(US)

(**) Term: 15 Years

(21) Appl. No.: 29/878,826

(22) Filed: Jun. 28, 2023

(51) LOC (15) Cl. 15-01

(52) U.S. Cl. USPC **D15/1**

Field of Classification Search

USPC D15/1-3, 5, 17, 149, 7; D13/112-114, D13/184, 199

CPC F02B 63/04; F02B 63/042; H02K 21/24; H02K 3/47; F02F 1/24; F02F 1/32; F01P 1/02; F01N 3/10; F01N 3/28; F01N 3/0871

See application file for complete search history.

(56)References Cited

U.S. PATENT DOCUMENTS

D247,177 S	2/1978	Stevens
D308,871 S	6/1990	Harkness et al
D308,872 S	6/1990	Harkness et al.
D309,457 S	7/1990	Eifert et al.
D309,458 S	7/1990	Johnson et al.
D396,476 S	7/1998	Shimizu
D457,891 S	5/2002	Matre

D503,722 S D515,589 S D516,580 S D521,024 S	*	2/2006 3/2006	Stenz et al. Lin Li Giddens	D15/1
		(Con	tinued)	

FOREIGN PATENT DOCUMENTS

CN	200930182397	*	4/2009
CN	201630654817	*	12/2016
CN	201730117488.0	*	4/2017

OTHER PUBLICATIONS

Predator, (date retrieved Dec. 16, 2024), 6.5 HP OHV Horizontal $Shaft\ Gas\ Engine, Harborfreight.com, URL: (https://www.harborfreight.$ com/65-hp-212cc-ohv-horizontal-shaft-gas-engine-epa-69370. html), (Year: 2024).*

(Continued)

Primary Examiner — Richard Edgar Assistant Examiner — Cheng Chen

(74) Attorney, Agent, or Firm — The Belles Group, P.C.

CLAIM

The ornamental design for an engine, as shown and described.

DESCRIPTION

FIG. 1 is a top, front perspective view of an engine according to a first embodiment of the present invention;

FIG. 2 is a top, rear perspective view thereof;

FIG. 3 is a bottom, rear perspective view thereof;

FIG. 4 is a front view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a right-side view thereof;

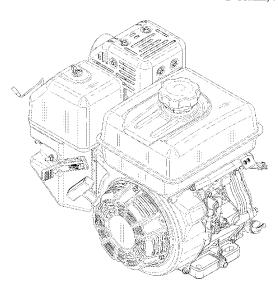
FIG. 7 is a left-side view thereof:

FIG. 8 is a top view thereof; and,

FIG. 9 is a bottom view thereof.

The broken lines illustrating portions of the engine form no part of the claimed design.

1 Claim, 9 Drawing Sheets



US D1,089,322 S Page 2

(56) Refer	ences Cited	D833,481 S		Tiefenthaler
		D836,136 S		Tiefenthaler
U.S. PATEN	T DOCUMENTS	D859,474 S *		Tiefenthaler D15/5
		D896,843 S		Tiefenthaler
D528,127 S 9/200	6 Nagel et al.	D924,272 S *		Lien D15/1
D529,046 S 9/200	6 Maeda et al.	D925,844 S *		Kanchibhotla D32/15
D531,638 S 11/200	6 Drew et al.	D992,599 S *		Luo D15/1
D536,004 S 1/200	7 Ryczek et al.	D1,040,861 S *		Zhou D15/1
D552,128 S * 10/200	7 Li D15/1	2009/0199793 A1*	8/2009	Sato F02F 1/24
D561,784 S * 2/200	8 Yin D15/1			123/41.62
D568,812 S * 5/200	8 Andersson D13/114	2009/0230695 A1*	9/2009	Yoshida H02K 21/24
D576,638 S * 9/200	8 Busschaert D15/1			310/156.32
D579,026 S * 10/200	8 Busschaert D15/1	2009/0242078 A1*	10/2009	Schamberger B27L 7/00
D583,829 S * 12/200	8 Fan D15/1			144/195.1
D584,745 S * 1/200	9 Wei D15/1	2009/0302610 A1*	12/2009	Kanai F02B 63/04
D595,737 S 7/200	9 Neeley et al.			290/47
D605,661 S * 12/200	9 Koehl D15/1	2022/0379518 A1*	12/2022	Li B27L 7/06
D612,402 S * 3/20	0 Dai D15/1	2024/0316601 A1*	9/2024	Janik B08B 3/026
D615,557 S 5/201	0 Mayer et al.			
	0 Mayer et al.	OTT	TIPD DIE	DI ICATIONS
D629,014 S 12/201	0 Osumi et al.	01.	HER PU	BLICATIONS
D634,333 S 3/201	1 Johnson et al.	mnont		
D655,310 S 3/201	2 Tiefenthaler et al.			ble Aug. 14, 2021), TFCFL Gas
	2 Sullivan et al.	Engine, Amazon.com	, URL: (https://www.amazon.com/Engine-
	2 Tiefenthaler et al.	Stroke-Gasoline-Coole	ed-Petrol/d	lp/B09D3KQ53K), (Year: 2021).*
,	2 Tiefenthaler	Yamaha, (date retrieve	ed Dec. 16	5, 2024), MX250, Global.yamaha-
	2 Martinek et al.			al.yamaha-motor.com/business/pp/
	3 Johnson D15/1	engine/mx250/), (Year		ar.yamana motor.com/ousmess/pp/
,	3 Yano D15/1			ed Apr. 2, 2022), Kohler SH265
	4 Yano D15/1			
	4 Nonaka D15/1			outube.com, URL: (https://www.
D723,062 S 2/201	5 Isono	youtube.com/watch?v=		
D734,721 S 7/201	5 Fujiwara	*		5, SH265, SH270 Owner's Manual,
D739,805 S 9/201	5 Isono		3 590 21 R	Lev. B, retrieved Jun. 20, 2022, pp.
D751,118 S * 3/201	6 Suzuki D15/1	1-8.		
D771,143 S * 11/20	6 Yu D15/1	Kohler, Kohler SH Ser	ries SH26:	5 Data Sheets, https://kohlerpower.
	8 Yamamoto D15/1	com/en/engines/produc	ct/sh265; 1	retrieved Jun. 20, 2022, pp. 1-3.
D824,958 S 8/201	8 Akamine	- •		
,	8 Tiefenthaler	* cited by examiner	•	

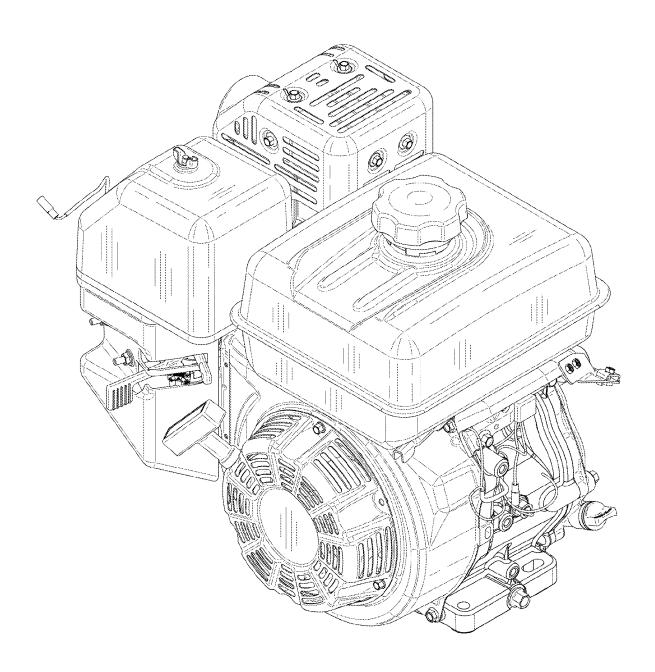


FIG. 1

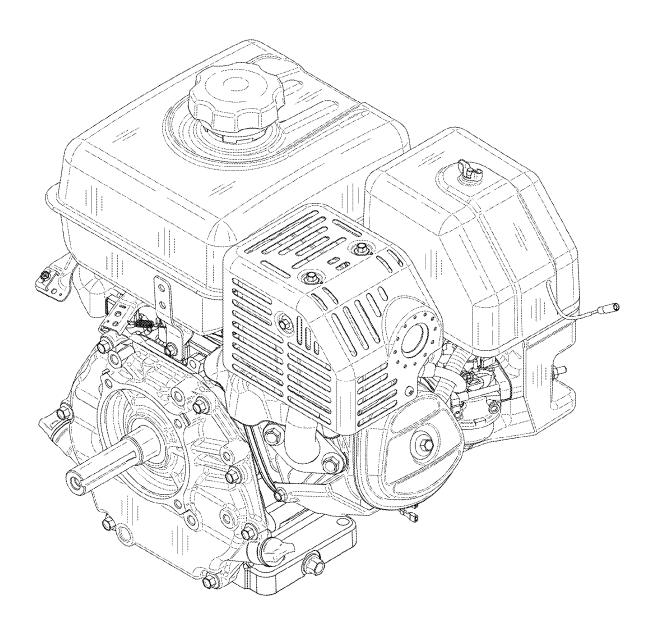


FIG. 2

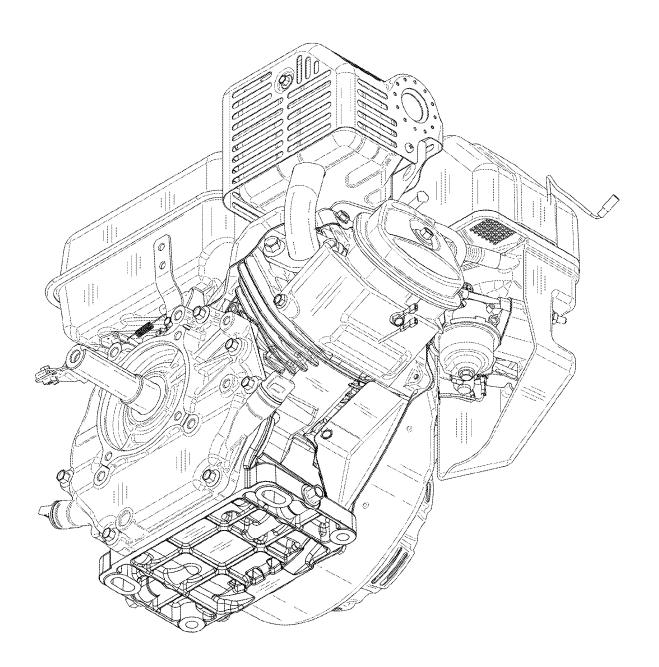


FIG. 3

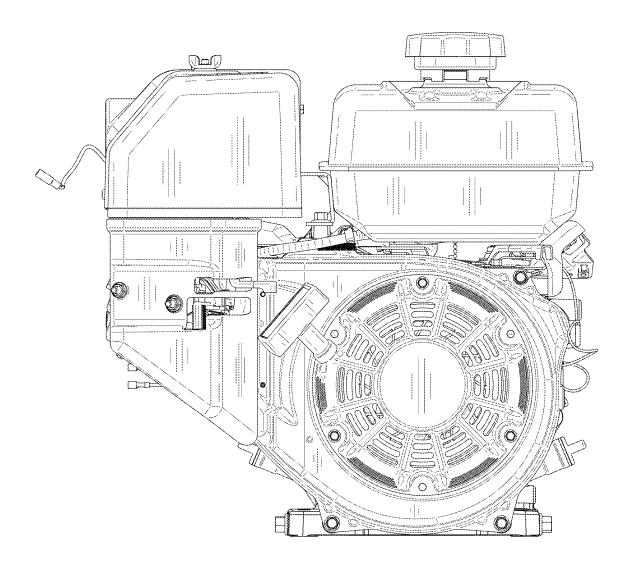


FIG. 4

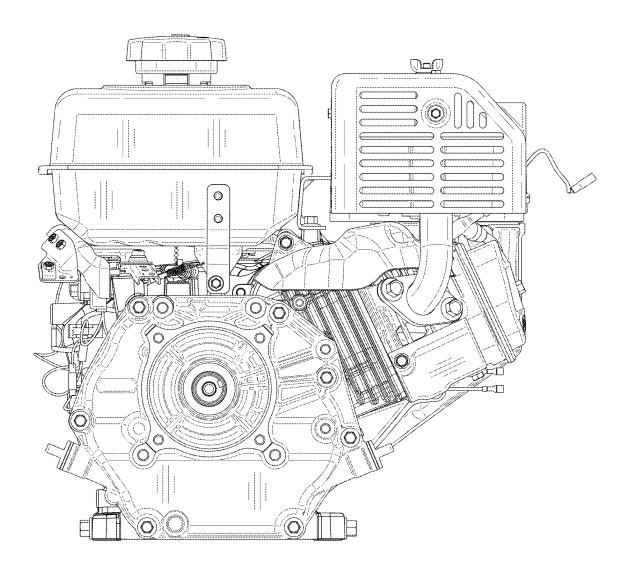


FIG. 5

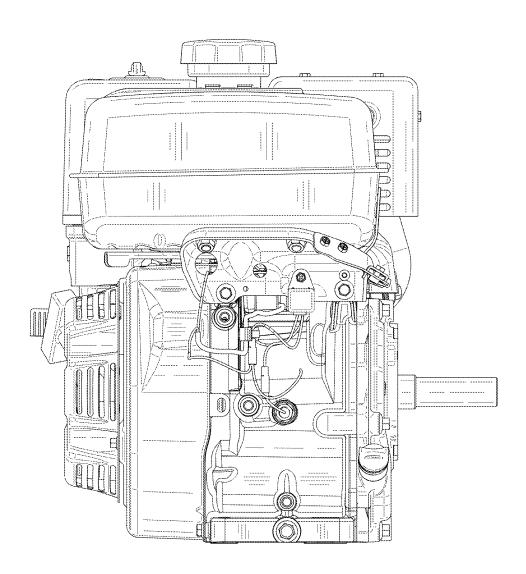


FIG. 6

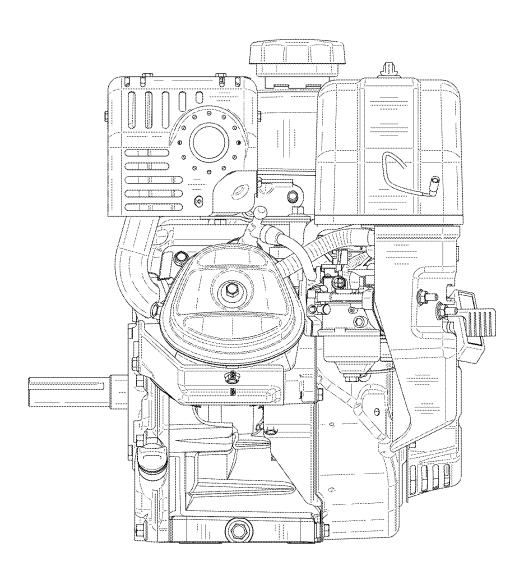


FIG. 7

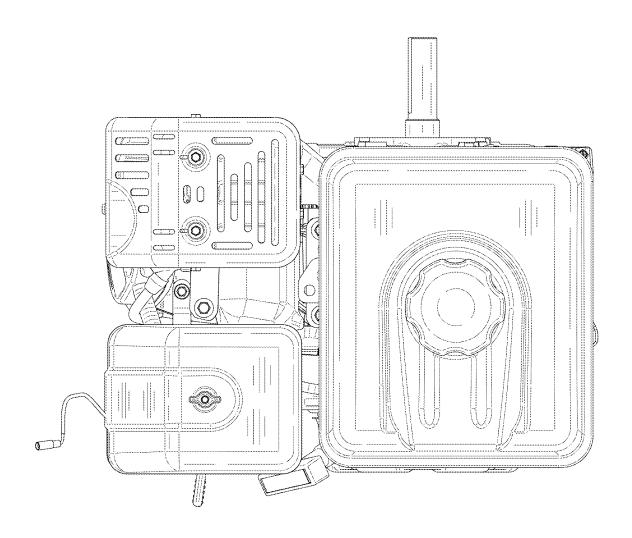


FIG. 8

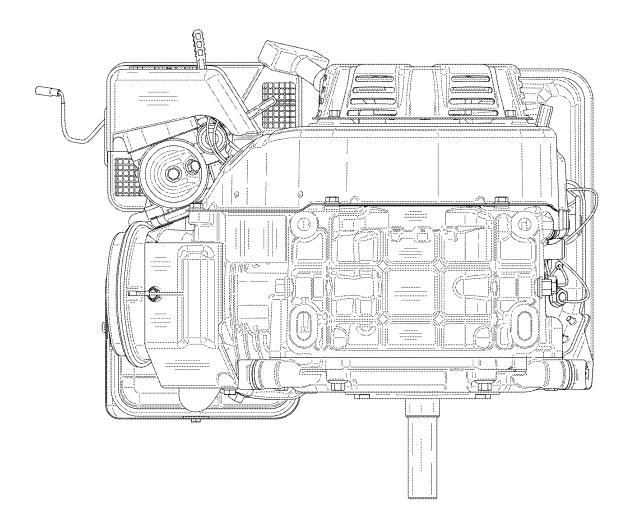


FIG. 9