

*Haven & Heltrich,*

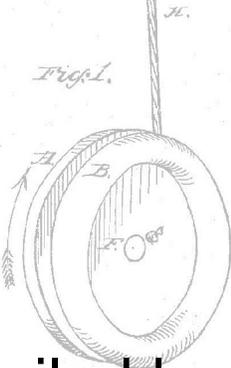
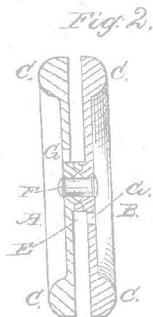
*Whirligig,*

*Nº 59,745.*

*Patented Nov. 20, 1866.*

# U.S. Yo-Yo Utility and Design Patents

1866-present



*Witnesses:*

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*Inventor:*

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Charles Heltrich  
By Knight Bros  
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Compiled by [Richard Brough](#)

Collector of yo-yo memorabilia

A.M. PHOTO-LITHO. CO. N.Y. (OSBORN'S PROCESS)

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## About design patents

This yo-yo patent document also includes yo-yo design patents (**highlighted in red**) beginning with the year 1901.

Unlike utility patents which contain both illustrations and descriptive text, design patents usually contain illustrations only.

## Additional resources

A bar chart showing the number of yo-yo patents issued between 1930-2008. See the last page in this document.

# U.S. Yo-Yo Utility and Design Patents

Patent Number	Date Issued	Inventor	Invention	Comments
59,745	11.1866	Haven & Hettrich	<i>Whirligig</i>	Rim-weighted
60,961	01.1867	Syrcher	<i>Whirligig</i>	India rubber
179,377	06.1876	Weber	<i>Bandilure toys</i>	
207,527	08.1878	Katz	<i>Bandelore toy</i>	First "flared gap" yo-yo
265,207	09.1882	Wurst	<i>Toy</i>	
267,865	11.1882	Fouts	<i>Child's spinning top</i>	
279,888	06.1883	Streisguth & Schnitzler	<i>Bandelore toy</i>	One-piece design
271,278	01.1883	Schoenfeld	<i>Toy</i>	
286,262	10.1883	Chapelle	<i>Toy</i>	
455,943	07.1891	Hill	<i>Toy bell</i>	N.N. Hill Brass Co. rattling yo-yo (1940s) based on this patent
461,948	09.1891	Wilson	<i>Gyroscope or revolving toy</i>	
462,512	11.1891	Sire	<i>Gyroscope</i>	Yo-yo with a gyroscope in the middle
668,829	02.1901	Boehme	<i>Toy</i>	Rim-weighted
D34,558	05.1901	Pancoast	<i>Top</i>	
833,610	09.1906	Liebreich and Lothrop	<i>Toy</i>	Beautiful, rim-weighted design
864,214	08.1907	Temple	<i>Toy</i>	
D39,757	01.1909	Cruver	<i>Double top</i>	A flared gap-designed yo-yo
1,006,840	10.1911	Floto	<i>Toy</i>	Glass yo-yo ball
1,153,250	09.1915	Phillips	<i>Toy</i>	A yo-yo with a toy chicken attached
1,311,534	07.1919	Seymour	<i>Toy</i>	
1,322,217	11.1919	Anderson	<i>Toy</i>	Combination yo-yo and top
1,419,402	06.1922	Mosher	<i>Whirligig toy</i>	Dismantlable yo-yo

Patent Number	Date Issued	Inventor	Invention	Comments
1,779,620	10.1930	Romero	<i>Toy</i>	Rubber yo-yo ball
1,784,179	01.1930	Coles	<i>Whirligig</i>	Made of two bars or arms; a very minimal design
1,784,684	12.1930	Bell	<i>Pulling hand top</i>	Different shaped animals
1,793,151	02.1931	Asbury and Austin	<i>Bandalore toy</i>	Yo-yo with two propellers
1,813,252	07.1931	Myers	<i>Toy</i>	Edible; made of paraffin gum, or candy, or other confection, or other plastic; axle is wood
1,806,485	05.1931	Mirafuentes	<i>Musical toy</i>	Dismantlable yo-yo
1,864,318	06.1932	Powell	<i>Ring</i>	Yo-yo ring with a swivel connection for the string
1,866,697	07.1932	Blackburn	<i>Toy</i>	
1,949,858	03.1934	Brown	<i>Sparking top</i>	"Sparkling Glo-Yo" with flint inside halves to make it spark.
1,963,001	06.1934	Savage	<i>Whirling toy</i>	
1,963,744	06.1934	Houston	<i>Toy</i>	
2,015,649	10.1935	Amell	<i>Musical top</i>	
2,076,658	04.1937	Marx	<i>Sparkling yo-yo toy</i>	
2,247,315	06.1941	Singer	<i>Tethered aerial top or spinner</i>	
2,337,334	12.1943	Lohr	<i>Toy top</i>	Combination yo-yo and top
2,372,680	02.1944	Pitar	<i>Toy</i>	String attached to opposite ends of a "rolling pin"
D137,444	03.1944	Davidson	<i>Toy top</i>	
D139,743	12.1944	Davidson	<i>Toy top</i>	
2,380,301	07.1945	Gavriles	<i>Bandalore toy</i>	Dual yo-yo toy
D142,317	08.1945	Elfmont	<i>Combined yo yo, top and whistle</i>	
2,387,565	10.1945	Criner	<i>Mechanical toy</i>	A whirligig

Patent Number	Date Issued	Inventor	Invention	Comments
2,412,519	12.1946	C. Kuhn	<i>Spinner</i>	
D147,701	10.1947	Tomarin	<i>Spinning toy</i>	
D152,970	03.1949	Hirsch	<i>Yo-Yo toy</i>	
2,463,670	03.1949	Yankelevitz	<i>Game device</i>	
D156,582	12.1949	Tomarin	<i>Spinning toy</i>	
2,517,849	08.1950	De Vincent and Pomatico	<i>Sparking yo-yo</i>	Dismantlable yo-yo
2,558,464	06.1951	Schultz	<i>Jingle bell top</i>	
2,579,022	12.1951	Spencer et al.	<i>Spinning toy</i>	
2,591,954	04.1952	Madsen	<i>Spinning sounding toy</i>	
2,595,374	05.1952	Studt	<i>Aerial spinning toy</i>	String attached to a thin metal rod which is attached to the yo-yo axle
2,605,584	08.1952	Perker and Anderson	<i>Tethered aerial top</i>	
2,608,027	08.1952	Perker and Anderson	<i>Toy airplane</i>	A yo-yo inside an airplane model
D167,723	09.1952	Scott	<i>Bandalore toy</i>	A large propellor is attached to the end of each top-shaped halve. Marketed under the name "Whiz Back Top" and made by Phoenix Engineering Co., St. Petersburg., Florida
2,610,439	09.1952	Nemeth	<i>Climbing and spinning toy</i>	
2,614,364	10.1952	Darden	<i>Spinning top</i>	Kusan Twirlers
2,623,327	12.1952	Testino	<i>Lighted yo-yo</i>	First lighted yo-yo
2,629,202	02.1953	Stivers and Ennis	<i>Tethered aerial top</i>	
D169,589	05.1953	Hassenfeld	<i>Tethered top toy</i>	Hasbro pencil and yo-yo in one
2,645,881	07.1953	Frangos	<i>Top</i>	
2,676,432	04.1954	Field	<i>Whirling toy</i>	

Patent Number	Date Issued	Inventor	Invention	Comments
2,773,328	12.1956	Fraenkel and Rietsch	<i>Gravity operated reversing whirling toys</i>	
2,794,294	06.1957	Frangos	<i>Gyroscopic tops</i>	
2,795,898	06.1957	French	<i>Illuminated aerial top</i>	
2,809,833	10.1957	Slade	<i>Illusion-giving revolving toy</i>	
2,888,776	06.1959	Sauer	<i>Vertically movable doll</i>	First use of ball bearing yo-yo, but enclosed by doll
2,891,351	06.1959	E. Madaras and J. Madaras	<i>Top spinner of the top type</i>	
D187,662	04.1960	Ives	<i>Return top</i>	
2,940,212	06.1960	Bond	<i>Noise making toy</i>	
D189,583	01.1961	Albert	<i>Return top</i>	
2,975,547	03.1961	Greve	<i>Toy</i>	
D189,976	03.1961	Lundberg	<i>Return top</i>	
3,037,321	06.1962	Thomason	<i>Toy</i>	
3,081,578	03.1963	Mosher	<i>Spinner toy</i>	Rim-weighted
3,089,277	05.1963	Reese, Jr.	<i>Revolvable toy</i>	
D197,239	12.1963	Nelligan	<i>Return top</i>	
3,136,550	06.1964	Ruderian	<i>Combined carrier and stand for a rotatable chance device</i>	Carrier for a yo-yo
3,136,551	06.1964	Ruderian	<i>Accessory device for supporting two rotatable type toys</i>	Carrier for a yo-yo and a top
3,139,699	07.1964	Chuy	<i>Tethered top with a spring mounted on the shaft for rewinding the cord</i>	Spring position around axle to help wind the string
3,146,925	09.1964	Ruderian	<i>Holder for amusement device</i>	Carrier for a yo-yo
3,156,068	11.1964	Nelligan	<i>Return top having conical apertures for producing sound</i>	
3,162,979	12.1964	Garoogian	<i>Illuminated aerial top</i>	
3,175,326	03.1965	Isaacson	<i>Ball bearing toy</i>	First known true ball bearing yo-yo

Patent Number	Date Issued	Inventor	Invention	Comments
3,184,884	05.1965	Petrucelli	<i>Rotating head-carried toy</i>	
3,184,885	05.1965	Gibson, Jr.	<i>Plastic tethered aerial top</i>	
D201,252	06.1965	Salayka	<i>Aerial top</i>	Combined yo-yo and top
3,191,344	06.1965	Yagjian	<i>Illuminated aerial top</i>	
3,201,895	08.1965	Stivers	<i>Tethered aerial top</i>	
3,207,508	09.1965	Klemke	<i>Revolving and translating aerial trapeze</i>	Yo-yo with dual axles; one of outside of each halve
3,228,140	01.1966	White	<i>String separator for creation of multiple string return tops</i>	
3,233,359	02.1966	Salayka	<i>Sound producing aerial top</i>	Dismantlable yo-yo
3,256,635	06.1966	Radovan	<i>Tethered aerial top</i>	
3,263,361	08.1966	Bowden	<i>Noisemaking toy</i>	
3,287,846	11.1966	Frangos	<i>Gyroscopic top</i>	
D206,672	01.1967	Fullerton	<i>Return top</i>	Halves are shaped like a soda pop bottle cap; reference to <i>Modern Plastics</i> , August 1952, p. 158, Acetate Yo-Yo
3,318,041	05.1967	Denman	<i>Cord operated humming reel</i>	
3,362,101	01.1968	Grow	<i>Toy with torque canceling sling</i>	
3,382,609	05.1968	Neanhouse	<i>Electrically powered tethered toy</i>	An electric yo-yo
3,408,766	11.1968	Ajero	<i>Toy comprising top and playing paddle and launcher</i>	
3,413,753	12.1968	Colmer, Jr.	<i>String suspended aerial toy</i>	
3,444,644	05.1969	Sayegh	<i>Tethered aerial top</i>	Sayco Standard top
3,452,474	07.1969	Zopf	<i>Yo-Yo</i>	
3,545,124	12.1970	Schwartz	<i>Toy</i>	A yo-yo with a handle
3,564,763	02.1971	Cleveland and Wilson	<i>Yo-yo doll</i>	A doll that simulates using a yo-yo; assignor is Mattel
3,624,958	12.1971	Salayka	<i>Novelty aerial top</i>	

Patent Number	Date Issued	Inventor	Invention	Comments
3,643,373	02.1972	Russell	<i>Tethered aerial top</i>	Russell Yo-Yos
3,717,949	02.1973	Radovan	<i>Tethered aerial tops</i>	
3,724,121	04.1973	L. Atkins and J. Atkins	<i>Bandalore</i>	Yo-yo ball
3,805,443	04.1974	Duncan, Jr.	<i>Yo Yo construction</i>	Pro-Yo I
D231,707	05.1974	Mason, Hellman, Rau	<i>Return top</i>	
3,834,069	09.1974	Brown	<i>Hand manipulated toy</i>	
D232,956	09.1974	Chelman	<i>Combined return top and game device</i>	
3,895,457	07.1975	Koskiewicz	<i>Global sphere yo-yo device</i>	
3,924,114	12.1975	Sanchez	<i>Illuminated Yo-Yo</i>	
3,936,974	02.1976	House	<i>Combined top and yo-yo</i>	Dismantlable yo-yo
3,953,936	05.1976	Ennis	<i>Yo-Yo</i>	Specifies optimal yo-yo weight of 55-60 grams
D247,322	02.1978	Burroughs	<i>Return top</i>	
D247,386	02.1978	Hellman	<i>Return top</i>	
4,081,924	04.1978	Fabricant	<i>Yo-Yo toy carrying an additional member</i>	
4,130,962	12.1978	Ennis	<i>Superior performance yo-yo</i>	Jack Russell Co.
4,178,714	12.1979	J. Tsen and F. Tsen	<i>Lighted and sounding toy</i>	
4,207,701	06.1980	T. Kuhn	<i>Dismantlable tethered top with reversible halves</i>	Tom Kuhn - 3-in-1 No Jive
4,232,475	11.1980	Bauer	<i>Tethered top usable in two ways</i>	
4,273,275	06.1981	Vadnais	<i>Toy accessory</i>	Ring and swivel for yo-yo finger
4,290,224	09.1981	MacCarthy	<i>Tape-supported yo-yo</i>	
4,290,225	09.1981	MacCarthy	<i>Looped-string pulley-supported yo-yo</i>	
4,318,243	03.1982	MacCarthy	<i>Precession-resistant yo-yo device</i>	

Patent Number	Date Issued	Inventor	Invention	Comments
4,327,518	05.1982	Knauff	<i>Inertial device for sight and sound effects in rotating apparatus</i>	
4,332,102	06.1982	Caffrey	<i>Superior performance yo-yo</i>	Yomega - Brain
4,393,618	07.1983	Roy	<i>Novelty written message device suitable for mailing</i>	A yo-yo that is easily mailable
4,418,494	12.1983	Ghandour	<i>Returning ball toy</i>	Also has drawing for a disc-shaped yo-yo.
4,437,261	03.1984	MacCarthy	<i>Yo-Yo with twist-resistant string</i>	
4,442,625	04.1984	MacCarthy	<i>Tape-supported sleeper yo-yo</i>	
D275,582	09.1984	MacCarthy	<i>Return top</i>	
4,492,057	01.1985	MacCarthy	<i>Yo-Yo with non-circular cross-sectional axle</i>	
4,555,235	11.1985	Burroughs	<i>Return top</i>	
4,632,245	12.1986	Lerner	<i>Display and transport medium for a hand held device such as a yo-yo</i>	Pro-Yo yo-yo carrier
D290,857	07.1987	Lohr	<i>Combined magnetic spinner and trackway</i>	
4,693,695	09.1987	Cheng	<i>Ascending and descending balloon action toy</i>	A "balloon yo-yo" that ascends and descends a tether
D296,912	07.1988	Holley	<i>Return top</i>	
4,867,727	09.1989	Lanius	<i>Toy including centrifugal switch</i>	
4,895,547	01.1990	Amaral	<i>Superior performance yo-yo</i>	Yomega - Fireball, Firestorm
D316,882	05.1991	Hanlon, III	<i>Return top</i>	Turbo sparkler
5,017,172	05.1991	Seifert	<i>Convertible yo-yo and top</i>	Yomega
5,035,667	07.1991	Haley	<i>Swivel device for preventing twisting of strings subjected to torsional force</i>	
5,100,361	03.1992	Kuhn and Watson	<i>Tethered aerial top</i>	Tom Kuhn - Sleep Machine and Roller Woody

Patent Number	Date Issued	Inventor	Invention	Comments
5,127,868	07.1992	Smollar	<i>Holder and controller for yo-yo type toys</i>	Empire Industries, Inc. - Yo-Yo Ball
5,145,444	09.1992	VanKuiken	<i>Strobe light effect yo-yo</i>	
5,184,972	02.1993	Tomberlin	<i>Selective free rotation yo-yo</i>	
5,254,027	10.1993	McAvoy, Jr.	<i>Adjustable performance yo-yo</i>	Dobl , Inc. - Ariel, Calypso, and Titania
D340,756	10.1993	Ma	<i>Top yo-yo</i>	
5,356,328	10.1994	Ho	<i>Multi-purpose yo-yo structure</i>	
5,389,029	02.1995	McAvoy, Jr.	<i>Adjustable performance yo-yo</i>	Dobl , Inc. - Ariel, Calypso, and Titania
5,470,269	11.1995	Ambroz	<i>Dual string yo-yo</i>	
D365,372	12.1995	Churchman	<i>Track yo-yo</i>	
D366,289	01.1996	Newcomer	<i>Yo-Yo</i>	
D382,919	08.1997	Calvin	<i>Yo-Yo</i>	Stringer yo-yo
D389,200	01.1998	Madsen	<i>Sandwich shaped yo-yo</i>	
5,769,686	06.1998	Duncan and T. Van Dan Elzen	<i>Yo-Yo having an improved axle and insert retainer</i>	
5,791,966	08.1998	Capps and DuFlon	<i>Rotating toy with electronic display</i>	Noise Toys, Inc. - The "Paul is dead" patent
5,813,897	09.1998	H. Van Dan Elzen and T. Van Dan Elzen	<i>Yo-Yo having an improved tether engagement area</i>	ProYo - Stunt Pilot 3
5,813,898	09.1998	H. Van Dan Elzen and T. Van Dan Elzen	<i>Yo-Yo having engagement pads proximate its axle</i>	ProYo - Stunt Pilot 3
D400,598	11.1998	Bly	<i>Return top</i>	Holgate 5- and 3-sided yo
D400,599	11.1998	Bly	<i>Return top</i>	Holgate Star yo
D401,290	11.1998	Bly	<i>Return top</i>	Holgate Heart yo
D403,365	11.1998	Bly	<i>Return top</i>	Holgate 7-sided yo
D403,366	12.1998	Bly	<i>Return top</i>	Holgate 4- and 6-leaved clover
D403,717	01.1999	Hammer	<i>Yo-Yo toy</i>	

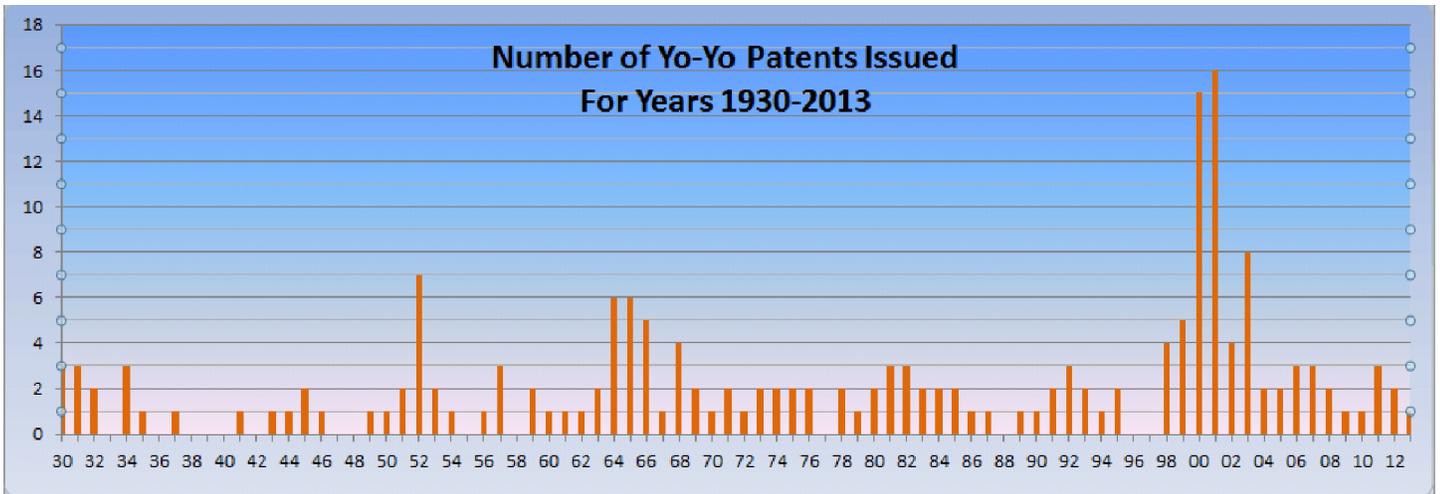
Patent Number	Date Issued	Inventor	Invention	Comments
D404,772	01.1999	Bly	<i>Return top</i>	Holgate Square yo
D412,188	07.1999	Hadzicki et al.	Yo-Yo	Revolution Enterprises - Rev G
D412,349	07.1999	O'Sullivan	Yo-Yo	Abbe auto return yos
5,951,361	09.1999	H. Van Dan Elzen and T. Van Dan Elzen	<i>Yo-Yo having engagement pads proximate its axle</i>	ProYo - Stunt Pilot 3
D414,825	10.1999	Gans	Yo-Yo	
5,961,366	10.1999	Wei	<i>Yo-Yo having clutching device</i>	
5,979,184	11.1999	Razza	<i>Convertible jewelry article</i>	Combination yo-yo and necklace
5,984,759	11.1999	O'Sullivan	<i>Yo-Yos and an improved automatically returning yo-yo</i>	Abbe - Black Mamba 5 star
6,004,183	12.1999	Dixon and Heaverlo	<i>High performance yo-yo</i>	Super Yo - Typhoon
6,053,796	04.2000	Tung	Yo-Yo	
6,066,023	05.2000	Chen	<i>Yo-yo with laser emission means</i>	
6,066,024	05.2000	McAvoy, Jr.	<i>Adjustable performance yo-yo enhancements</i>	Dobl , Inc. - Ariel; also includes finger strap
6,077,145	06.2000	Ma	<i>Yo-Yo for performing tricks</i>	
6,080,035	06.2000	Pekarsky and Weber	<i>Yo-Yo having snap-on rotor members</i>	Henrys - Viper
6,080,036	06.2000	Adler	<i>Yo-Yo having radially anchored cushions</i>	Superflight, Inc. - Aerobie AeroSpin
6,089,945	07.2000	T. Van Dan Elzen	<i>Yo-Yo having a multi-image lenticular instruction system</i>	ProYo - VideYo
6,113,456	09.2000	J. Hadzicki and D. Hadzicki	<i>Ultra performance modular yo-yo with string finger guard</i>	Revolution Enterprises - Rev G
6,123,596	09.2000	Hsu	<i>Vibratory soft yo-yo</i>	
6,123,597	09.2000	Matthews and Dunn	<i>YoYo protective sleeve</i>	May be marketed under the name "YoWrap" by Sparr Athletic (?)
6,132,285	10.2000	Feldman	<i>Doll simulating yoyo play</i>	Mattel - "Totally Yo-Yo: Skipper" Assignee is Mattel, Inc.

Patent Number	Date Issued	Inventor	Invention	Comments
6,142,850	11.2000	Levy	<i>Yo-Yo construction kit</i>	Build and paint your own yo-yo
6,155,903	12.2000	H. Van Dan Elzen and T. Van Dan Elzen	<i>Yo-yo having engagement pads proximate its axle</i>	ProYo
6,162,109	12.2000	Baier	<i>Yo-Yo having adjustable string gap</i>	
6,165,042	12.2000	Chin	<i>Bob toy device</i>	
6,186,858	02.2001	Cotoia	<i>Device for holding and controlling a string-retained article</i>	
6,196,890	03.2001	Amaral	<i>Yo-yo and method for its manufacture</i>	Yomega - Wing Force Assignee is Yomega Corporation
6,196,891	03.2001	Jamison	<i>Yo-yo including adjustable weight system</i>	
6,206,749	03.2001	Bell	<i>Yo-yo</i>	YoyoJam - SpinFaKtor
6,213,838	04.2001	Amaral	<i>Metal yo-yo and method for manufacture</i>	Yomega - Wing Force
6,220,920	04.2001	Baier	<i>Yo-yo with adjustable slot width</i>	Yomega - Mettalic Missile Assignee is Yomega Corporation
6,234,861	05.2001	Ichii and Arai	<i>High performance yo-yo</i>	Bandai - Hyper Dragon Assignee is Matsushita Electric Industrial Co., Ltd.
D443,530	06.2001	Mann	<i>Yo-yo watch</i>	
6,247,992	06.2001	Higgins	<i>Finger attachment device for holding and controlling a yo-yo type toy</i>	Sold under the name "SuperSling" yo-yo finger harness
6,254,452	07.2001	Adler	<i>Yo-yo having radially anchored cushions, and a string gap with a narrower innermost gap</i>	Superflight, Inc. - Aerobie AeroSpin See also 6,080,036
6,265,984	07.2001	Molinaroli	<i>Light emitting diode display device</i>	Yo-yos are referred to indirectly in this patent
6,270,391	08.2001	Emilsson	<i>Lighting system for rotating object</i>	

Patent Number	Date Issued	Inventor	Invention	Comments
6,287,193	09.2001	Rehkemper, Rehkemper, O'Patka, Black, Kass	<i>Hand-held game with visual display and feedback</i>	Tiger Electronics "E-Yo" with LCD readout of speed, distance, sleep time, and counting
6,322,419	11.2001	Dermenci	<i>Combination spinning top and yo-yo</i>	
6,325,690	12.2001	Nelson	<i>Toy top with message display and associated method of initiating and synchronizing the display</i>	Not designed specifically for yo-yos.
6,328,624	12.2001	Segan and Strauss	<i>Combination timepiece and yo-yo</i>	
6,331,132	12.2001	Watson	<i>Yo-yo having improved tether tension control and adjustable mechanism</i>	Possibly the Tom Kuhn SB3 with click-adjustable string gap
6,354,905	03.2002	Haines and Cook	<i>Yo-yo having adjustable clutch</i>	
6,371,824	04.2002	Brown	<i>Yo-yo and method for using a yo-yo</i>	
6,468,125	10.2002	Nelson	<i>Yo-yo structure</i>	
6,494,761	12.2002	Amaral	<i>Yo-yo and method for its manufacture</i>	Assignee is Yomega Corporation
6,503,121	01.2003	Caffrey	<i>Aerial top having a stepped axle and a varied diameter tether</i>	
6,540,580	04.2003	Wolfram	<i>Yo yo having removable toy figures and container playset</i>	Assignee is Mattel, Inc. These are the Buzz Lightyear and Woody yoyoss
6,561,867	05.2003	Rehkemper and Johnson	<i>Yo-Yo having a centered disc supported by an arm</i>	Assignee is Rehco, LLC of Chicago, IL
6,565,408	05.2003	Marcantonio and Chicca	<i>High performance roller bearing yo-yo</i>	Assignee is Yomega Corp. (Fall River, MA). Not sure which Yomega yo-yo.
6,579,142	06,2003	Rehkemper and Hannon	<i>Modular yo-yo</i>	Assignee is Rehco, LLC
6,599,165	07.2003	H. Van Dan Elzen	<i>Yo-yo having an active starburst tether engagement system</i>	Yo-Yo Factory's "Grind Machine"

Patent Number	Date Issued	Inventor	Invention	Comments
6,634,922	10.2003	Driscoll, Wood, and Kristoffy	<i>Electronic RPM yo-yo</i>	
6,652,345	11.2003	Lin	<i>Yo-yo bubble toy</i>	
6,695,670	02.2004	Driscoll, Wood, and Kristoffy	<i>Electronic yo-yo games</i>	
D492,739	07.2004	Rehkemper and Johnson	<i>Yo-yo</i>	
6,887,122	05.2005	Van Dan Elzen; H.W. and McPhee	<i>Yo-yo having visual indication of response setting</i>	
6,896,576	05.2005	VanKuiken	<i>Yo-yo with shock suppression system</i>	
7,059,932	06.2006	Tobias, Charlwood	<i>Spinning yo-yo</i>	Assignee is Moose Enterprise Pty Ltd. Bentleigh East Victoria (AU)
7,083,493	08.2006	Heo	<i>Yo-yo</i>	
7,125,310	10.2006	Van Dan Elzen; Hans W.	<i>Yo-yo having replaceable disks</i>	
7,175,500	02.2007	Difeo	<i>Yo-yo having a concave bearing surface for performing string layering maneuvers</i>	
7,192,330	03.2007	Van Dan Elzen	<i>Yo-yo having adjustable responsiveness</i>	
7,281,965	10.2007	Torres	<i>Combination yo-yo and top</i>	Assignee is SW14 Group LLC (Sherman Oaks, CA)
7,419,417	09.2008	VanKuiken	<i>Yo-yo with double bearing system</i>	
7,448,934	11.2008	Van Dan Elzen, et al.	<i>Motor yo-yo</i>	Uses a power rotation system to maintain the yo-yo's rotation Patent was filed 11.2005.
7,621,796	11.2009	Schonert, Van Dan Elzen	<i>Yo-yo having a string-formed response system</i>	
7,740,517	06.2010	Hochstrasser	<i>Multi-function yo-yo</i>	
7,874,890	01.2011	Van Dan Elzen	<i>Yo-yo having side-located roller members</i>	Other publication: AnY Miroc Yo-Yo, Yoyonation website.

Patent Number	Date Issued	Inventor	Invention	Comments
7,874,891	01.2011	Van Dan Elzen; Hans W. and Van Dan Elzen; Thomas J.	<i>Motorized yo-yo</i>	
D641,802	07.2011	Van Dan Elzen; Hans W.	<i>Ornamental design for a yo-yo</i>	Wikia Toys web page (YoYo Wiki) viewed on Sep. 16, 2010 and that shows the Spinstar and Precedent yo-yos, both made by YoYoFactory since 2009 and wherein each of said yo-yos includes a bottlecap-shaped structure located at the center of each side portion, Web page: <a href="http://yoyowiki.org/wiki/YoYoFactory.sub.-Spinstar">http://yoyowiki.org/wiki/YoYoFactory.sub.-Spinstar</a>
D648,810	11.2011	Bell; Dale L.	<i>Ornamental design for a yo-yo</i>	
8,075,365	12.2011	Schonert; Matthew C., Van Dan Elzen; Hans W.	<i>Yo-yo having a string-formed response system.</i>	
8,187,052	05.2012	Van Dan Elzen; Hans W. and Van Dan Elzen; Thomas J.	<i>Motorized yo-yo having improved efficiency</i>	
8,328,595	12.2012	Van Dan Elzen; Hans W.	<i>Yo-yo having twist-on releasable rims and yo-yo having twist-on gear-locked bodies</i>	Assignee is Bandai Co., Ltd. (Taito-ku, Tokyo, JP)
8,360,814	01.2013	Van Dan Elzen; Hans W.	<i>Yo-yo having a modifiable string gap</i>	
D694,342	11.2013	Bell; Dale L.	<i>Ornamental design for a yo-yo</i>	
D694,343	11.2013	Bell; Dale L.	<i>Ornamental design for a yo-yo</i>	



A year with no bar indicates that no yo-yo patents were granted. Generally, a patent is granted to the inventor approximately one or more years following its initial submission date to the U.S. patent office. So, for example, in 1957 there were three yo-yo patents granted. This means that the yo-yo patents were probably submitted sometime around 1955 or 1956.

Interestingly, the higher numbers in the chart (more than two) translate to approximate times when yo-yo booms occurred in the U.S. and Canada. The last yo-yo boom occurred between 1998-2001. The unusually high number for 1968 (considering there was only one patent issued the previous year) may be due to the 1965 court ruling that found Duncan’s “yo-yo” trademark no longer valid; the term “yo-yo” could be used freely by any yo-yo manufacturer in the United States.

While U.S. yo-yo patents extend back to 1866, 1930 is about the time when various yo-yo makers began to market and popularize the toy among youth.