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Document Description: Provisional Cover Sheet (SB16)

PTO/SB/16 (02-18)
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Provisional Application for Patent Cover Sheet

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c)

Inventor(s)

Inventor 1 — Remove

Given Name	Middle Name	Family Name	City	State	Country
Paul	Thomas	James	Wilmington	NC	US

All Inventors Must Be Listed – Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. — Add

Title of Invention	Unbrello, the self-adjusting shade-umbrella alternative.
Attorney Docket Number (if applicable)	533435924

Correspondence Address

Direct all correspondence to (select one):

○ The address corresponding to Customer Number	◉ Firm or Individual Name
Firm or Individual Name 1	Paul James
Firm or Individual Name 2	

Mailing Address of Applicant:

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Address 2			
City	Wilmington	State/Province	NC
Postal Code	28403	Country	US
Phone	8587052295		

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

- No.

Yes, the invention was made by an agency of the United States Government. The U.S. Government agency name is:

Yes, the invention was under a contract with an agency of the United States Government. The name of the U.S. Government agency and Government contract number are:

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Entity Status
Applicant asserts small entity status under 37 CFR 1.27 or applicant certifies micro entity status under 37 CFR 1.29

○	Applicant asserts small entity status under 37 CFR 1.27
◉	Applicant certifies micro entity status under 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent.
○	No

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Signature

Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Paul James/			Date (YYYY-MM-DD)	2019-08-27
First Name	Paul	Last Name	James	Registration Number (If appropriate)	

This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **This form can only be used when in conjunction with EFS-Web. If this form is mailed to the USPTO, it may cause delays in handling the provisional application.**

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Fig. 1

Fig 2

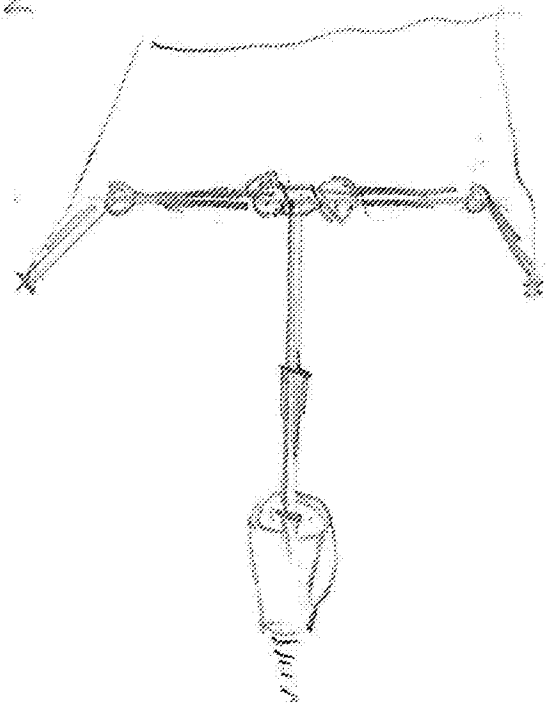


Fig 3

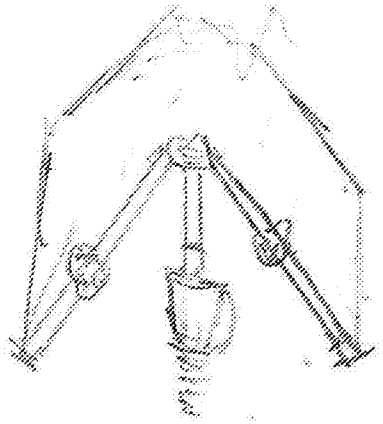


Fig 4



Fig 5

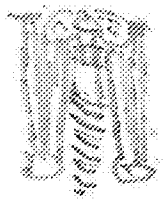


Fig 6

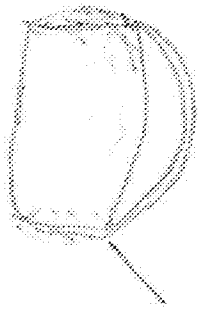
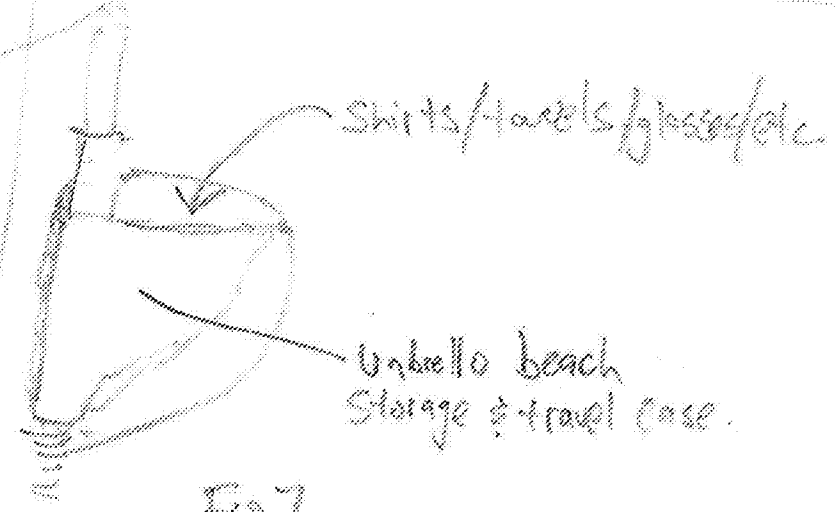


Fig 7



PROVISIONAL APPLICATION FOR PATENT

INVENTION TITLE

Unbrello, the self-adjusting shade-umbrella alternative.

BACKGROUND OF THE INVENTION

Problem Solved: Shade umbrellas are dangerous in the wind. Shade umbrellas easily break in the wind. Shade umbrellas almost always have the mast in the middle of the sitting area. Sunglasses, shirts, and other accessories need a place to stay dry and out of the sand.

Other devices require excessive setup time and constant adjusting as the wind changes direction.

Many beaches only permit single-pole beach umbrellas. Standard Beach umbrellas don't do well in the wind and they are dangerous. They are generally U-shaped with a frame that catch the wind. This results in a broken umbrella, injured people (or even death), and many times trash left on the beach (the broken umbrella).

Our device: has a single pole so it's permitted on beaches where tents are not. Our device allows the wind to self-adjust its direction so the user doesn't have to. Our umbrella-device framing is one that will not catch wind, if our falls over, it will fall strait down and not tumble dangerously down the beach. Our device's mast is almost always not going to be in the middle of the sitting area. Our carrying case is dual-purpose to work as a storage place for beach accessories when main product is in use.

DETAILED DESCRIPTION OF THE INVENTION

As stated above, shade umbrellas are dangerous in the wind. Shade umbrellas easily break in the wind.

Other devices require excessive setup time and constant adjusting as the wind changes direction. The invention claimed here solves this problem.

This umbrella device doesn't allow wind taking it out of the ground and hurl it down the beach. This device uses wind to its advantage instead of breaking. This device is quick to setup and uses the wind to automatically adjust its direction.

The claimed invention differs from what currently exists. Shade tents are anchored at more than one point so, as the wind switches direction throughout the day, they must be adjusted. These adjustments are time-consuming and inconvenient.

This invention is an improvement on what currently exists. Shade tents are anchored at more than one point so, as the wind switches direction throughout the day, they must be adjusted. These adjustments are time-consuming and inconvenient.

They are inconvenient, dangerous, high-failure, hurtful to our planet.

Our device: has a single pole so it's permitted on beaches where tents are not. Our device allows the wind to self-adjust its direction so the user doesn't have to. Our umbrella-device framing is one that will not catch wind, if our falls over, it will fall strait down and not tumble dangerously down the beach.

When in use, the wind usually will keep the shaded area to the side of the mast instead of right above it.

The Version of The Invention Discussed Here Includes:

1. Telescoping mast
2. Ribs
3. Tension adjustable and pivoting point at T-connection
4. Lightweight fabric
5. Main rib hinges
6. Secondary rib hinges
7. End caps
8. Auger bottom
9. Carry case/beach accessory storage.
10. Chord with loaded chord lock.
11. Hole in the bottom of the case.
12. Moving air (wind).

Relationship Between The Components:

#1 anchors/stakes in the ground to hold up the frame, #8 is used for sand application. #2 & # 12 support #4. #3 allows #2 to rotate freely and can be tightened to compensate for wind conditions. #5 & #6 allows frame to take different shapes to compensate for sun direction and to compact for transport. #7 helps hold #4 in place and aids for safety. #9 is used to contain all when not in use. #10 is used to close #9 when it has contents. #11 allows #8 & #1 to pass through so #9 can be used to hold beach accessories off the sand and water.

How The Invention Works:

Securely plant mast in ground, extend to desired height and unfold arms to desired shape to allow the wind to lift the shade, adjust the setting knob on top for the wind condition, and adjust the ribs for sun condition. Slide carrying case up mast and stow your belongings inside out of the sand and water. Sit/stand/lay in the sun-shaded area. The wind will turn the shade in the direction it's blowing so no further work required.

How To Make The Invention:

Assemble parts. The pivot point secured to the mast by thread or glue or other means. The hinges secured to ribs by thread, glue or other means. The fabric has a channel sewn or welded to insert the ribs and end-caps to secure in place. The end caps may be removable to change the fabric. The Bag is cone shaped.

All parts aide to the overall function and ease of use. The auger bottom could be changed out for different ground conditions.

How To Use The Invention:

Use the invention anytime there is wind on a sunny day where you want shade.

Use this invention in windy areas only permitting single-pole umbrellas.

ABSTRACT

Self-adjusting shade umbrella is disclosed. Our device: has a single pole so it's permitted on beaches where tents are not. Our device allows the wind to self-adjust its direction so the user doesn't have to. Our umbrella-device framing is one that will not catch wind, if our falls over, it will fall strait down and not tumble dangerously down the beach.