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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).

Express Mail Label No. 

INVENTOR(S)					
Given Name (first and middle [if any])	Family Name or Surname		Residence (City and either State or Foreign Country)		
ROBERT J.	HARTER		LA CROSSE, WI		
Additional inventors are being named on the _____ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (500 characters max)					
BUBBLE PRODUCING BIRTHDAY CANDLE					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
<input type="checkbox"/>	Customer Number: <input type="text"/>				
OR					
<input checked="" type="checkbox"/>	Firm or Individual Name	ROBERT J. HARTER			
Address		4233 CLIFFSIDE DRIVE			
Address					
City	LA CROSSE	State	WI	Zip	54601
Country	USA	Telephone	608 788-2778	Fax	
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/>	Specification Number of Pages	2	<input type="checkbox"/>	CD(s), Number	
<input checked="" type="checkbox"/>	Drawing(s) Number of Sheets	1	<input type="checkbox"/>	Other (specify)	
<input type="checkbox"/>	Application Data Sheet. See 37 CFR 1.76				
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT					
<input checked="" type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27.				FILING FEE Amount (\$)  <b>\$125</b>
<input checked="" type="checkbox"/>	A check or money order is enclosed to cover the filing fees.				
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<input type="checkbox"/>	Payment by credit card. Form PTO-2038 is attached.				
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/>	No.				
<input type="checkbox"/>	Yes, the name of the U.S. Government agency and the Government contract number are: _____				

(Page 1 of 2)

Respectfully submitted,

SIGNATURE Robert J. HarterTYPED or PRINTED NAME ROBERT J. HARTERTELEPHONE 608-788-2778Date April 3, 2012

REGISTRATION NO. \_\_\_\_\_

(if appropriate)

Docket Number: \_\_\_\_\_

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PROVISIONAL PATENT APPLICATION

Title

**Bubble Producing Birthday Candle**

Inventors

Robert J. Harter  
4233 Cliffside Drive  
La Crosse, WI 54601

## Title

### **Bubble Producing Birthday Candle**

#### Description of the Preferred Embodiment

The birthday candle that is shown in Figures 1 – 3 includes a hollow stainless steel tube filled with pressurized helium gas. The tube is soldered shut at the bottom. Near the top of the tube there is a small orifice. And just above the orifice, there is a sponge saturated with liquid soap. The top of the tube is sealed shut with wax. A wick protrudes from the wax. Lighting the wick melts the wax to slowly release the helium through the small orifice. As the helium passes through the liquid soap, helium-filled bubbles are formed that float upward.

FIG 1.



HELIUM  
FILLED  
BUBBLES



FIG 2

MELTED  
WAX



TUBE



SPONGE SATURATED  
WITH LIQUID SOAP

WICK

WAX

SMALL ORIFICE

STAINLESS STEEL TUBE

HELIUM

FIG 3

SOLDER



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[Page 1 of 2]

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Drawings should be in ink, photocopied or photographs

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The mailroom of the U.S. Patent & Trademark Office acknowledges receiving a provisional patent application by Robert J. Harter for an invention entitled BUBBLE PRODUCING BIRTHDAY CANDLE and a \$125 check covering the filing fee.

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Robert J. Harter  
4233 Cliffside Drive  
La Crosse, WI 54601

Stamp

Robert J. Harter  
4233 Cliffside Drive  
La Crosse, WI 54601

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In the application of Robert J. Harter  
Title: Bubble-Producing Candle

The Mail Room of the US Patent & Trademark Office  
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Provisional Application Cover Sheet (1 pg.)  
Specification Description (1 pg.)  
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