

Common Workstreams

- + Discussing what might be patentable about your business or idea
- + **Developing a patent strategy** for your project or startup
- + Searching your idea for prior art patents
- + **Drafting** a provisional patent application

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v1

Types of Patents

Protect 'How It Works'

Provisional Patent

- + Patent pending status for 12 months
- + Records an invention and filing date
- + No required format
- + Doesn't get examined
- + Doesn't mature into a patent
- + Low cost

Non-Provisional Utility Patent

- + Can claim the benefit of a provisional
- + Get examined
- + Can mature in a patent
- + Higher Cost

(12) United Carpente	d States Patent er et al.		tent No.: te of Pater	US 9,670,047 B2 t: Jun. 6, 2017
DYNAMIC RECONFI	AND METHODS FOR PROVIDING CINGREDIENT MATRIX GURATION IN A PRODUCT	(56)		nces Cited F DOCUMENTS
A.S.F. (2000)	CR Gregg Carpenter, Marietta, GA (US); David R. Newman, Atlanta, GA (US); H. Brock Kolls, Alpharetta, GA (US); Son V. Tran, Alpharetta, GA (US)	3,991,91 4,358,17 4,525,07 4,563,73	71 A 11/1982 71 A 6/1985 89 A 1/1986 (Co	Shannon et al. Christen Horowitz et al. Gerpheide et al. titinued)
(73) Assignce:	THE COCA-COLA COMPANY,			ENT DOCUMENTS
	Atlanta, GA (US)	BE CN	1005369 1378432	6/1993 11/2002
	Subject to any disclaimer, the term of this patent is extended or adjusted under 35			ntinued)
	U.S.C. 154(b) by 508 days.			JBLICATIONS
(21) Appl. No.:	12/204,485		Search Report an /US2008/075281	d Written Opinion mailed Jun. 26,
(22) Filed:	Sep. 4, 2008		(Co	ntinued)
(65) US 2009/00	Prior Publication Data 069949 A1 Mar. 12, 2009		uniner — Tejal 29. Agent, or Fi	Gami rm — Eversheds Sutherland
Rela	ted U.S. Application Data	(57)	ABS	TRACT
6, 2007. (51) Int. CL <i>GOD</i> 11/1 <i>B67D</i> 100 <i>B67D</i> 100 <i>B67D</i> 100 (52) U.S. CL <i>L888</i> (58) Field of CL CPC	application No. 60'970,507, filed on Sep. 5 (2006.01) (2006.01) (2006.01) 1013.01); <i>B67D 100878</i> (2013.01); <i>B67D 10021</i> (2013.01); <i>B67D 221000089</i> (2013.01); 2013.01); <i>B67D 221000089</i> (2013.01) 385/filed10 Search 	Embodiments of the invention include systems and methods for providing dynamic ingredient matrix reconditionation include an ingredient matrix operation to a system can include an ingredient matrix operation to a system can be approximately a system of the system of the ingredient packages within respective locations. In addition, the approximation of the system of the system is a system of the system of the system of the packages of the system of the system of the system is a system of the system of the system of the system is a system of the system of the system of the system is a system of the system of the system of the system is a system of the system of the system of the system is a system of the system of the system of the system is a system of the system of the system of the system of the ingredient matrix for insertion of selected one or more ingredient packages. 32 Claims, 15 Drawing Sheets		
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Utility

Protect 'How It Looks' Design Patent

- + Protect a shape or pattern
- + Application is mostly drawings
- + Get examined
- + Can mature into a patent
- + Medium Cost

United States Patent [19] Kolls

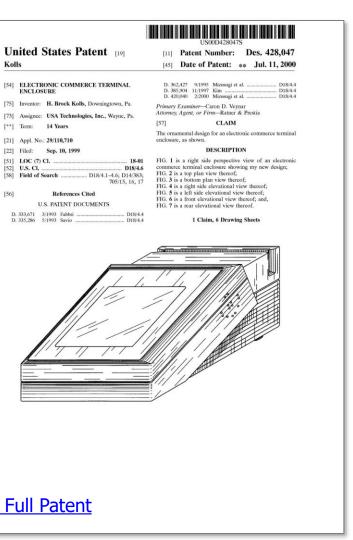
[54] ELECTRONIC COMMERCE TERMINAL ENCLOSURE

- [75] Inventor: H. Brock Kolls, Downingtown, Pa. [73] Assignce: USA Technologies, Inc., Wayne, Pa. [**] Term: 14 Years [21] Appl. No.: 29/110,710
- [22] Filed: Sep. 10, 1999 [51] LOC (7) Cl.

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[56]
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See Full Patent



Design

Searching Tips

Some things to think about while doing your search

- Break big systems into features and subsystems; zero-in on specific areas of patentability
- Self evaluate the strength and value of your idea
- Get to a go/no-go value proposition to justify investing time and resources on the idea
- Make note of how your idea is different from the prior art
- Gather example patents of how others have patented their ideas in the same space
- See which companies are in the space
- Keep a list and copies of all the prior art references you come across

Prior Art How is my idea different? Prior Art References How can I make my idea better? Evaluate How can I make my idea more valuable? Search (Think Broad) Easy Keyword | Google.com/Patents Structured US only | www.uspto.gov/patents-application-process/search-patents Download tool | www.Pat2Pdf.org **International Patent/Patent Application Search** European Patent Office | https://worldwide.espacenet.com/ World Intellectual Property Organization | https://patentscope.wipo.int/search/en/structuredSearch.jsf

Classifications | Search related areas (Go Deep)

Info | www.uspto.gov/patents-application-process/patent-search/classification-standards-and-development USPC Class Descriptions | www.uspto.gov/web/patents/classification/selectnumwithtitle.htm Search Classes | www.uspto.gov/web/patents/classification/index.htm Search International Classes https://www.wipo.int/classifications/en

Grow Your Idea To Build A Stronger Value Proposition

(12) United States Patent

Kolls et al.

See Full Patent

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Field Generator

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(10) Patent No.: US 9.512.018 B1 (45) Date of Patent: Dec. 6, 2016

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	* cited by exa	mine	er			

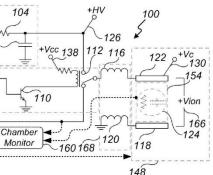
Primary Examiner - David C Mellon

(74) Attorney, Agent, or Firm-H. Brock Kolls

ABSTRACT

The present invention relates to an improved treatmen system for inactivating microorganisms. An ion control neans generates ions and compensates for conductivity variations in a liquid medium surrounding a microorganism This increases the microorganism susceptibility to inactivation, by way of an inactivation pulse. A high intensity pulse means used in combination with the ion control means delivers the inactivation pulse. Exemplary embodiments include a field generator, which generates a field that encompasses the microorganism diminishing ability of the microorganism to regulate proper cellular function, and a pulse pattern switching means. The pulse pattern switching means repeatedly alternates between generating ions by way of the ion control means and delivering the inactivation pulse by way of the high intensity pulse means

17 Claims, 8 Drawing Sheets



Patent Application Example

Application Outline

- Abstract
- Title
- Technical Field of the Invention
- Background of the Invention
- Summary of the Invention
- Brief Description of the Figures
- Detailed Description of the Invention
- Figures

Work Backwards

• What Is Your Invention

Provisional Patent Application Template

Detailed Description of the Invention

Referring to Figure 1, there is illustrated one example of a **snowman** 1. In an exemplary embodiment, the snowman 1 can be created by stacking a plurality of snowballs 2A-2C and decorating the snowballs 2A-2C with a snowman attire 4A-4E. Such snowman attire can include for example a hat 4A, coal eyes and mouth 4B, a carrot nose 4C, a plurality of arms 4D, and coal buttons 4F.

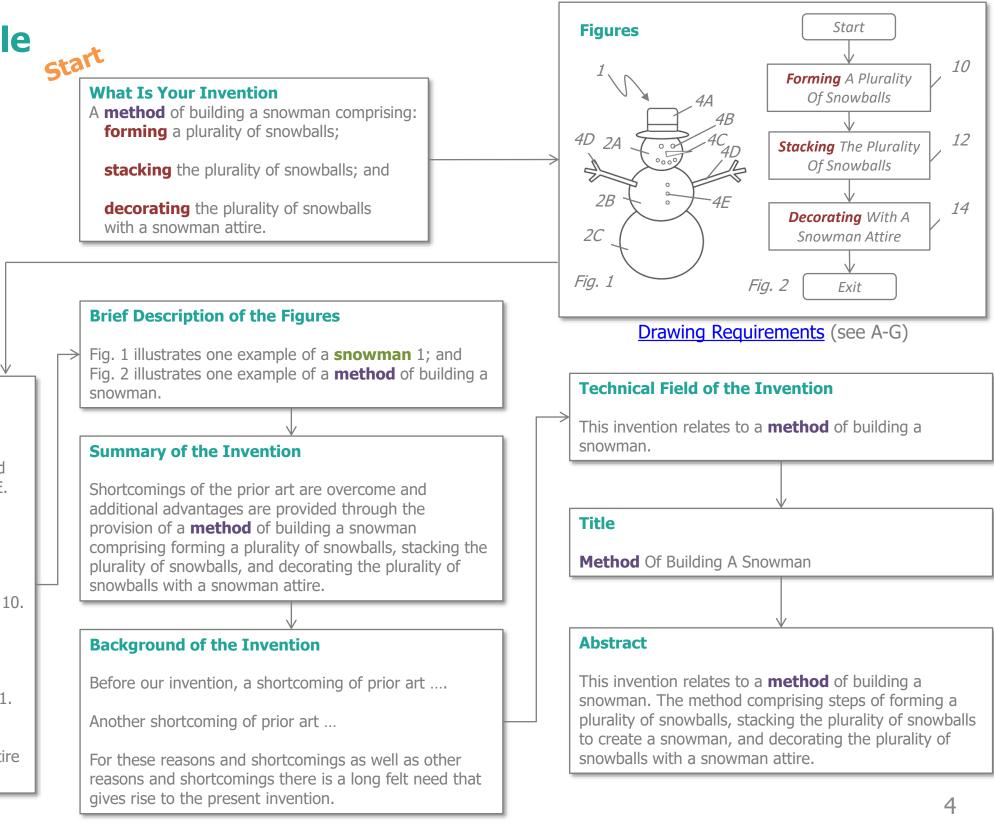
Referring to Figure 2, there is illustrated one example of a method of building a snowman. The method starts in block 10.

In block 10, a plurality of snowballs 2A-2C are **formed**. The method moves to block 12.

In block 12, the snowballs are **stacked** to form a snowman 1. The method moves to block 14.

In block 14, the snowman 1 is **decorated** with snowman attire 4A-4E. The method is then exited.

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Cheat Sheet For Patent Procedures, Laws, & Rules

Manual of Patont Examining P	rocedures (MPEP) www.uspto.gov/web/offices/pac/mpep/index.html	Select Patent Laws
MPEP Table of Contents PD		Common Examiner Rejections
	Secrecy, Access, National Security, and Foreign Filing	<u>35 U.S.C. 101 - Inventions patentable.</u>
	Types and Status of Application; Benefit and Priority Claims	<u>35 U.S.C. 102 - Conditions for patentability; n</u>
· · · · · · · · · · · · · · · · · · ·		35 U.S.C. 103 - Conditions for patentability; n
· · · · · · · · · · · · · · · · · · ·	Ownership and Assignment	35 U.S.C. 112 - Specification.
	Representative of Applicant or Owner	
· · · · ·	Receipt and Handling of Mail and Papers	35 U.S.C. 111 - Application.
· · · · · · · · · · · · · · · · · · ·	Parts, Form, and Content of Application	35 U.S.C. 113 - Drawings.
Chapter 700 - PD		35 U.S.C. 115 - Inventor's oath or declaration
	Restriction in Applications Filed Under 35 U.S.C. 111; Double Patenting	35 U.S.C. 116 - Inventors.
	Prior Art, Classification, and Search	35 U.S.C. 119 - Benefit of earlier filing date; r
	Matters Decided by Various U.S. Patent and Trademark Office Officials	35 U.S.C. 120 - Benefit of earlier filing date in
Chapter 1100 - PDI	Statutory Invention Registration (SIR); Pre-Grant Publication (PGPub) and Preissuance Submissions	35 U.S.C. 121 - Divisional applications.
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Chapter 1300 - PDF	Allowance and Issue	35 U.S.C. 123 - Micro entity defined.
Chapter 1400 - PD	Correction of Patents	35 U.S.C. 151 - Issue of patent.
Chapter 1500 - PDF		35 U.S.C. 152 - Issue of patent to assignee.
Chapter 1600 - PDF		<u>35 U.S.C. 153 - How issued.</u>
Chapter 1700 - PD		35 U.S.C. 154 - Contents and term of patent;
· · · · · · · · · · · · · · · · · · ·	Patent Cooperation Treaty	35 U.S.C. 162 - Description, claim.
Chapter 1900 - PD		<u>35 U.S.C. 163 - Grant.</u> 35 U.S.C. 171 - Patents for designs.
· · · · · ·	Duty of Disclosure	<u>35 U.S.C. 173 - Term of design patent.</u>
Chapter 2100 - PD		<u>35 U.S.C. 182 - Abandonment of invention fo</u>
Chapter 2200 - PD		<u>35 U.S.C. 184 - Filing of application in foreign</u>
		35 U.S.C. 185 - Patent barred for filing withou
· · · · · · · · · · · · · · · · · · ·	Interference and Derivation Proceedings	<u>35 U.S.C. 186 - Penalty.</u>
Chapter 2400 - PDF		35 U.S.C. 188 - Rules and regulations, delegat
· · · · · ·	Maintenance Fees	35 U.S.C. 205 - Confidentiality.
· · · · · ·	Optional Inter Partes Reexamination	35 U.S.C. 254 - Certificate of correction of Par
	Patent Terms and Extensions	35 U.S.C. 255 - Certificate of correction of ap
· · · · · ·	Supplemental Examination	35 U.S.C. 256 - Correction of named inventor
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	F Patent Rules	<u>35 U.S.C. 284 - Damages.</u>
		35 U.S.C. 286 - Time limitation on damages.
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/; novelty.
/; non-obvious subject matter.

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<u>s.</u> other remedies; marking and notice. a patent containing an invalid claim. ngement of design patent.