

Unit 2 - Week 0

Course outline
How does an NPTEL online course work?
Week 0
<input type="radio"/> Quiz : Assignment 0
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Assignment 0

The due date for submitting this assignment has passed. **Due on 2020-01-27, 23:59 IST.**
 As per our records you have not submitted this assignment.

Note : This assignment is only for practice purpose and it will not be counted towards the Final score

- Instructions**
- This Assignment is of 10 points. Each question is of 1 point.
 - All the questions are compulsory.
 - Questions 1-9 are Multiple Choice Questions with only one option correct
 - Question 10 is a multiple choice questions with multiple options correct
 - Students should read the questions very carefully before answering.
 - There is no negative marking.

1) In the classification of patents, IPC stands for 1 point

International Patent Classification
 Indian Penal Code
 Indian Patent Classification
 International Penal Code

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 International Patent Classification

2) A prior art document includes 1 point

A non-patent literature document
 A disclosure made under NDA
 Contents from a personal diary
 A disclosure made to the Government to investigate merits and demerits of the invention

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 A non-patent literature document

3) A complete specification of a patent application includes 1 point

Title
 Abstract
 Detailed description
 All of the above

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 All of the above

4) Protection in a patent is granted by virtue of what is mentioned in the ____ 1 point

Explanation
 Claims
 Descriptive part of specification
 Illustrations

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 Claims

5) The filing date of the complete specification of US granted patent, US 8,886,334 B2 is 1 point

US00886334B2

<p>(12) United States Patent Ghaffari et al.</p> <p>(54) SYSTEMS, METHODS, AND DEVICES USING STRETCHABLE OR FLEXIBLE ELECTRONICS FOR MEDICAL APPLICATIONS</p> <p>(75) Inventors: Roozbeh Ghaffari, Cambridge, MA (US); Bassel de Graff, San Juan (TT); Gilman Callen, Malden, MA (US); William J. Arora, Boston, MA (US); Benjamin Schlafka, Lexington, MA (US); Eugene Kuznetsov, Cambridge, MA (US)</p> <p>(73) Assignee: MC10, Inc., Cambridge, MA (US)</p> <p>(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 418 days.</p> <p>(21) Appl. No.: 12/636,071</p> <p>(22) Filed: Dec. 11, 2009</p> <p>(65) Prior Publication Data US 2010/0298895 A1 Nov. 25, 2010</p> <p>Related U.S. Application Data</p> <p>(63) Continuation-in-part of application No. 12/616,922, filed on Nov. 12, 2009, and a continuation-in-part of application No. 12/575,908, filed on Oct. 7, 2009.</p> <p>(60) Provisional application No. 61/121,568, filed on Dec. 11, 2008, provisional application No. 61/121,541, (Continued)</p> <p>(51) Int. Cl. A61N 1/04 (2006.01) A61B 5/00 (2006.01) (Continued)</p> <p>(52) U.S. Cl. CPC ... A61B 5/00 (2013.01); A61N 1/04 (2013.01); A61B 1/00082 (2013.01); A61B 5/01 (2013.01); A61B 5/04001 (2013.01); A61B 5/145</p>	<p>(10) Patent No.: US 8,886,334 B2</p> <p>(45) Date of Patent: Nov. 11, 2014</p> <p>(2013.01); A61B 5/14532 (2013.01); A61B 5/14539 (2013.01); A61B 5/14546 (2013.01); A61B 2562/02 (2013.01); A61B 2562/0204 (2013.01); A61B 2562/0209 (2013.01); A61B 2562/0233 (2013.01); A61B 2562/0247 (2013.01); A61B 2562/046 (2013.01); A61B 2562/164 (2013.01); H01L 27/14609 (2013.01); A61B 1/01 (2013.01)</p> <p>USPC 607115</p> <p>(58) Field of Classification Search None See application file for complete search history.</p> <p>(56) References Cited</p> <p>U.S. PATENT DOCUMENTS 3,949,410 A 4/1976 Basson 4,058,418 A 11/1977 Lindqvist (Continued)</p> <p>FOREIGN PATENT DOCUMENTS CN 1222758 7/1999 CN 1454045 11/2003 (Continued)</p> <p>OTHER PUBLICATIONS Abbuchian et al. (Dec. 2005) "High Pressure-High Temperature Growth of Diamond Crystals Using Split Sphere Apparatus," <i>Diamond Relat. Mater.</i> 14(11-12):1916-1919. (Continued)</p> <p><i>Primary Examiner</i>—Allen Porter, Jr. (74) <i>Attorney, Agent, or Firm</i>—Nixon & Peabody LLP</p> <p>(57) ABSTRACT System, devices and methods are presented that integrate stretchable or flexible circuitry, including arrays of active devices for enhanced sensing, diagnostic, and therapeutic capabilities. The invention enables conformal sensing contact with tissues of interest, such as the inner wall of a lumen, a nerve bundle, or the surface of the heart. Such direct, conformal contact increases accuracy of measurement and delivery of therapy.</p> <p style="text-align: center;">24 Claims, 22 Drawing Sheets</p>
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Nov 25, 2010
 Dec 11, 2009
 Nov 11, 2014
 Dec 11, 2008

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 Dec 11, 2009

6) The priority date for the granted patent, US 8,886, 334 B2 is 1 point

Nov 25, 2010
 Dec 11, 2009
 Nov 11, 2014
 Dec 11, 2008

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 Dec 11, 2008

7) Which statement best signifies the drawback in the prior art from the following patent, US 5,092,485 1 point

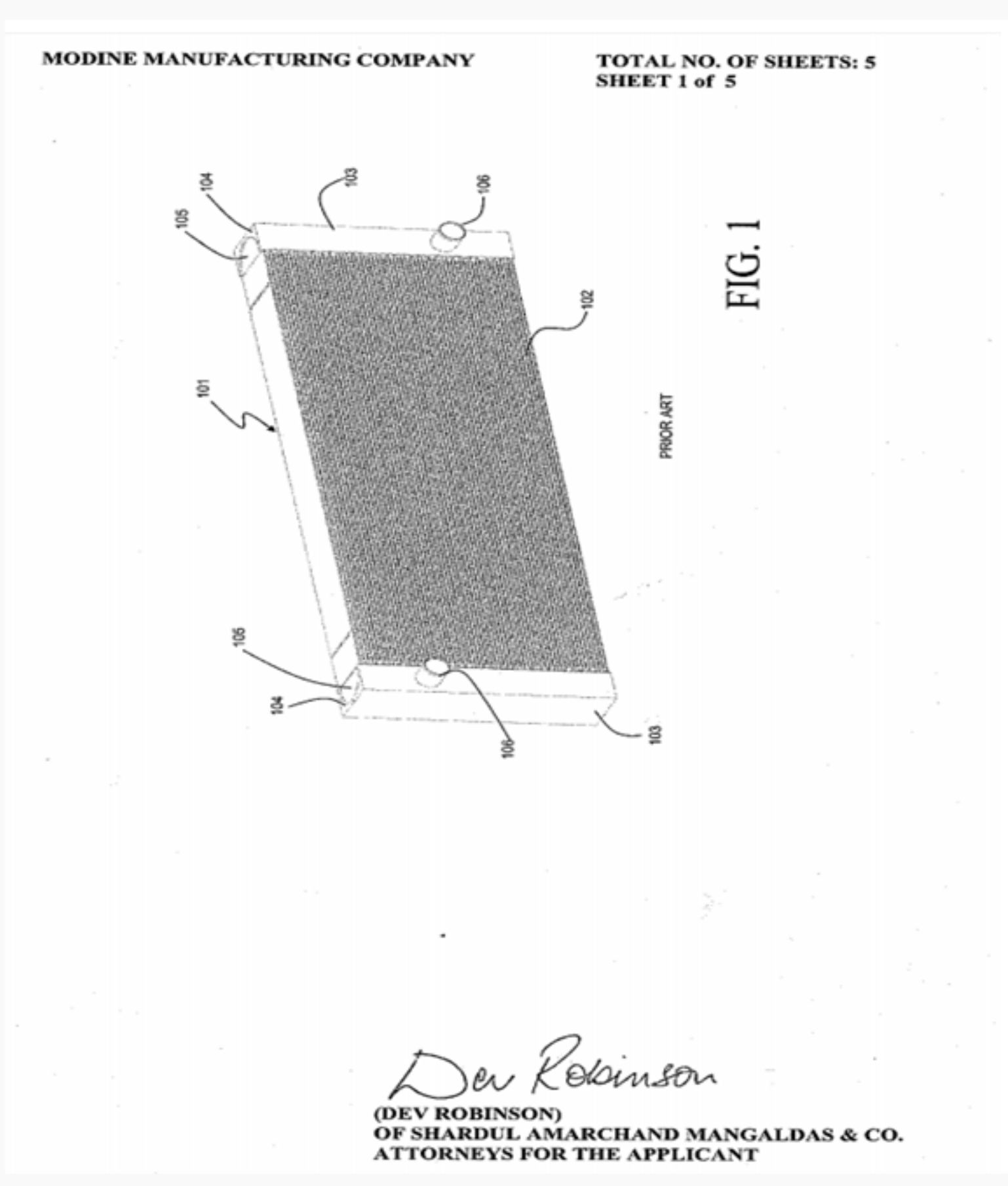
US05092485A

<p>(19) United States Patent</p> <p>Lee</p> <p>[54] THERMOS PAPER CUP</p> <p>[75] Inventor: T. T. Lee, Taipei, Taiwan</p> <p>[73] Assignee: King Car Food Industrial Co., Ltd., Taipei, Taiwan</p> <p>[21] Appl. No.: 666,705</p> <p>[22] Filed: Mar. 8, 1991</p> <p>[51] Int. Cl. B65D 21/00</p> <p>[52] U.S. Cl. 220/441; 229/1.5 B</p> <p>[58] Field of Search 229/1.5 B; 220/441, 220/464, 468, 469</p> <p>[56] References Cited</p> <p>U.S. PATENT DOCUMENTS 1,771,765 7/1930 Benson 229/1.5 B 2,266,828 12/1941 Sykes 229/1.5 B X 2,591,578 4/1952 McNealy et al. 229/1.5 B 2,617,549 11/1952 Egger 229/1.5 B</p>	<p>[11] Patent Number: 5,092,485</p> <p>[45] Date of Patent: Mar. 3, 1992</p> <p>2,661,889 12/1953 Phinney 229/1.5 B 2,853,222 9/1958 Gallagher 229/1.5 B 3,141,913 7/1964 Edwards 229/1.5 B 3,237,834 3/1966 Davis et al. 229/1.5 B 3,456,860 7/1969 Janninck 229/1.5 B 3,908,523 9/1975 Shikaya 229/1.5 B X</p> <p><i>Primary Examiner</i>—Steven M. Pollard <i>Attorney, Agent, or Firm</i>—Morton J. Rosenberg; David I. Klein</p> <p>[57] ABSTRACT This invention relates to a thermos paper cup and in particular to one provided with a plurality of air chambers between the inner side and the outer side and having a distance between the bottom and the lower edge so as to separate the contents from the outside thereby keeping the contents at an unchanged temperature.</p> <p style="text-align: center;">1 Claim, 3 Drawing Sheets</p> <p style="text-align: center;">BACKGROUND OF THE INVENTION</p> <p>It is found that the paper cup on the market is simply made of a paper board wrapped into a hollow cylindrical member and a circular bottom engaged with the hollow cylindrical member. However, such paper cup can only be used for receiving tea, coffee, etc. but cannot be used to keep the temperature of the contents. Therefore, it is an object of the present invention to provide an improved paper cup which may obviate and mitigate the above-mentioned drawbacks.</p>
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Manufacturing a paper cup to hold beverages
 Manufacturing a paper cup to keep the temperature of beverages
 Design of a paper cup
 Design of a paper cup to receive contents

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 Manufacturing a paper cup to keep the temperature of beverages

8) The top left corner of the page in the following drawing image is 1 point



The name of the Inventor
 The name of the Applicant
 The name of the Patent Agent
 The name of the legal representative

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 The name of the Applicant

9) Which of the following is not an essential element of an 'inventive step' as per the Patent Act, 1970? 1 point

Technical advance
 Economic significance
 Social significance
 Not obvious to person skilled in art

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 Social significance

10) Which of these following statements are not TRUE? 1 point

A Patent application can be used for enforcing its rights
 A granted patent can be used for enforcing its rights
 A published patent can be used for enforcing its rights
 An application that was withdrawn can be used for enforcing its rights

No, the answer is incorrect.
 Score: 0
 Accepted Answers:
 A patent application can be used for enforcing its rights
 A published patent can be used for enforcing its rights
 An application that was withdrawn can be used for enforcing its rights