Patent Law Prof. Roger Ford January 20, 2016 Class 1: Introduction

Today's agenda

- → Administrative notes
- \rightarrow Intro to the patent system
- → Mechanics and institutions of the patent system
- → Architecture of the patent document

Administrative notes

Administrative notes

- \rightarrow Class meetings
- → Make-up classes
- \rightarrow Reading assignments
- \rightarrow Grading
- \rightarrow Patent cases and technology

Intro to the patent system

- → 35 U.S.C. § 101:
 - "Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title."

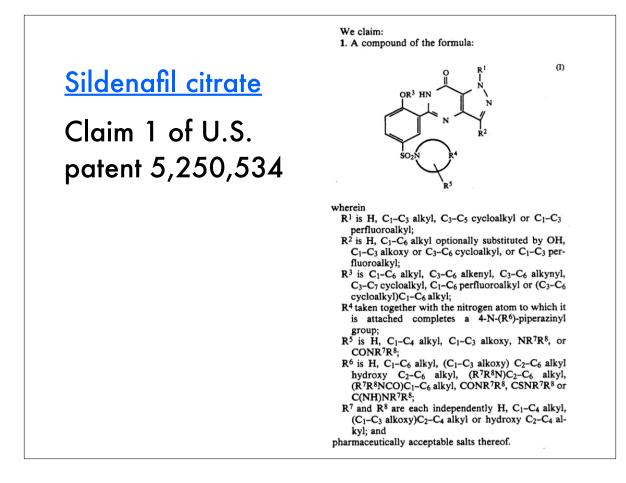
\rightarrow Limited property rights

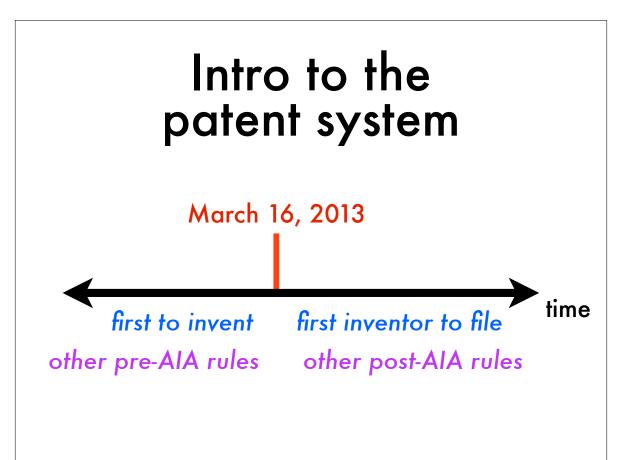
- Negative rights: right to exclude
- Positive rights: right to sell/license
- No positive right to practice

Intro to the patent system

→ Group question:

 What are some reasons a patent holder would <u>not</u> have the right to practice her invention?





\rightarrow Group questions:

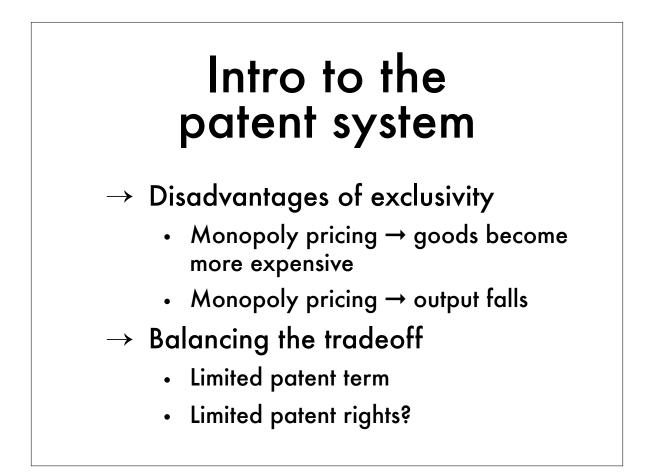
- What are the advantages and disadvantages of a first-to-invent system?
- What are the advantages and disadvantages of a first-to-file system?
- Why do you think the US switched?

Intro to the patent system

- \rightarrow U.S. Constitution:
 - [Congress has the power] "To promote the progress of science and useful arts, by securing for limited times to authors and inventors the <u>exclusive rights</u> to their respective writings and inventions."

→ Advantages of exclusivity

- Monopoly profits → greater ex ante incentive to invent
- Exclusivity → greater ex post incentive to develop new invention
- \rightarrow Advantages of the patent bargain
 - Public disclosure → knowledge can be used by others



Patent mechanics and institutions

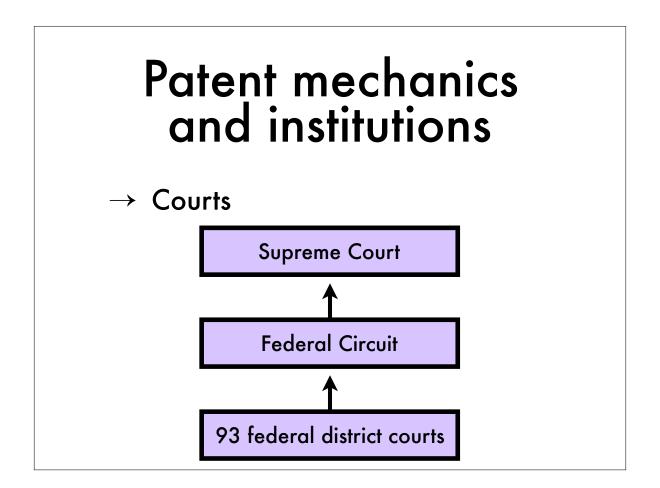
Patent mechanics and institutions

- \rightarrow Obtaining a patent
 - PTO
- \rightarrow Enforcing patent rights
 - Federal courts

Patent mechanics and institutions

\rightarrow PTO

- Examination-based
- Negotiation creates prosecution history
- Appeals to PTAB and then Federal Circuit
- Or, you can bring a claim in federal district court

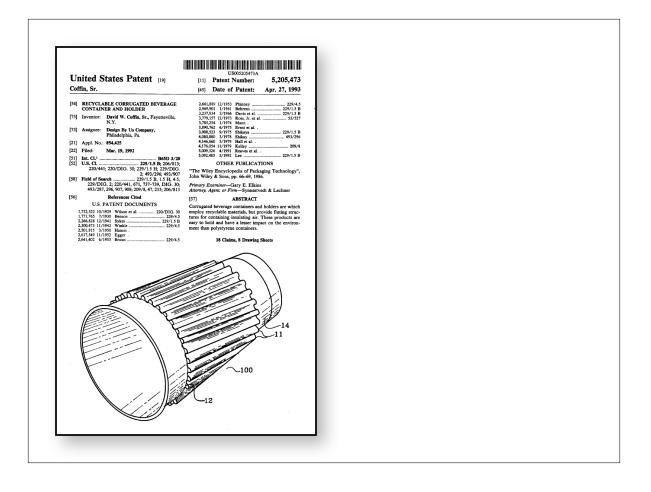


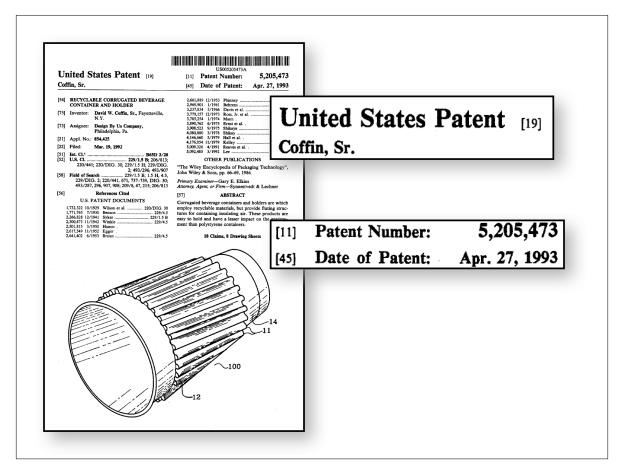
Patent mechanics and institutions

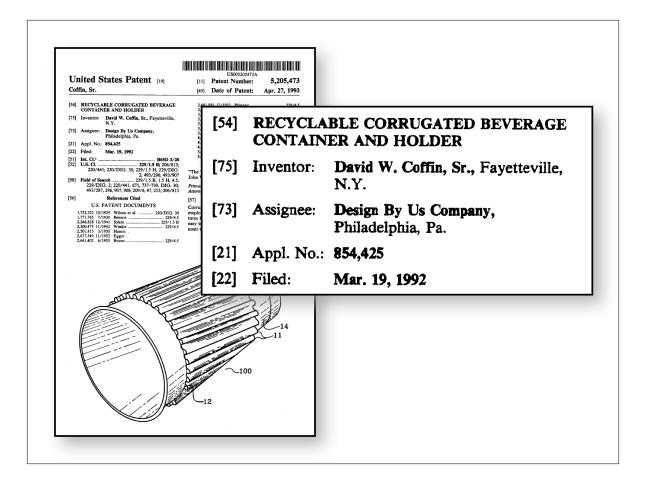
→ International Trade Commission (ITC)

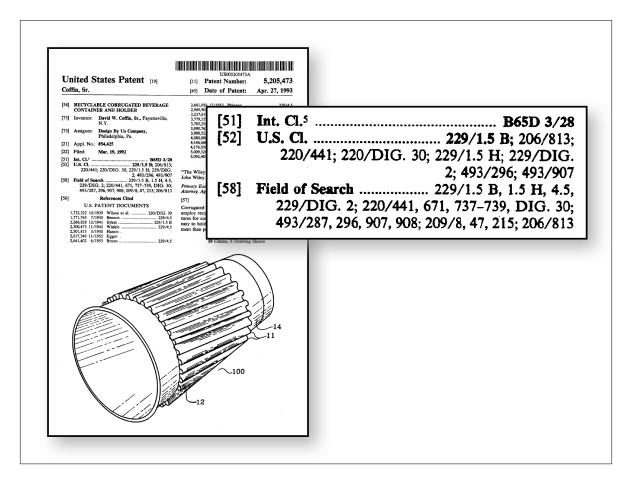
- Very popular venue for electronics cases
- Remedy: blocking imports of accused products
- Cannot award money damages

Architecture of the patent document

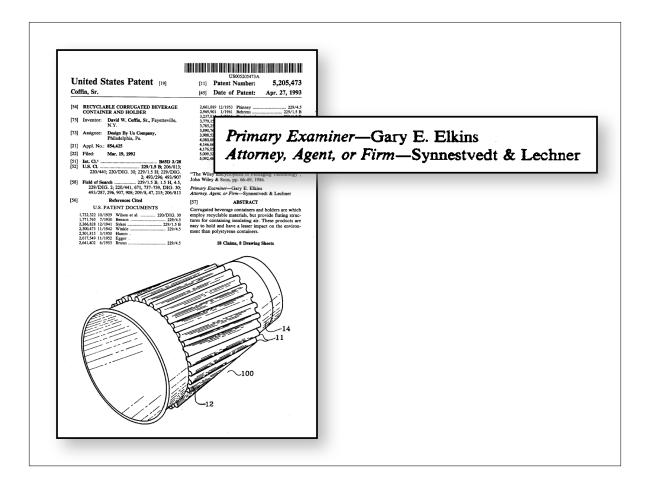




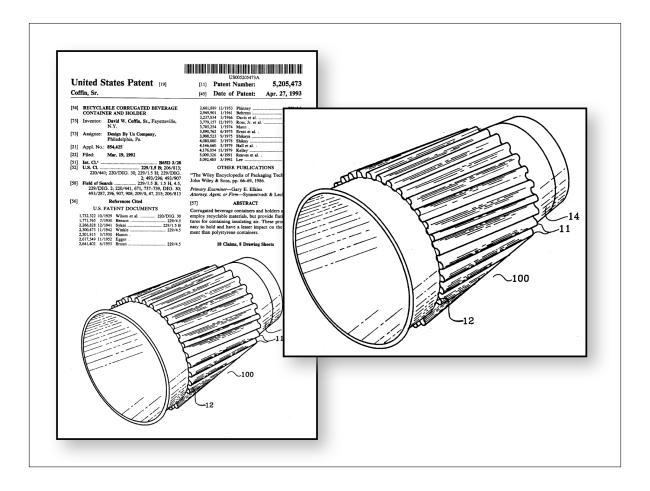


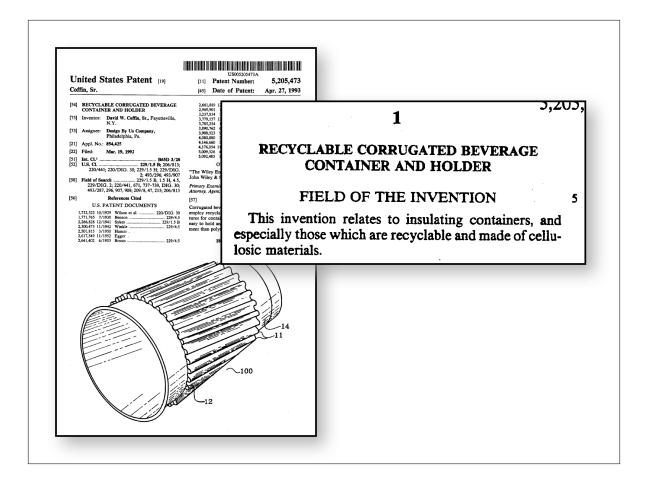


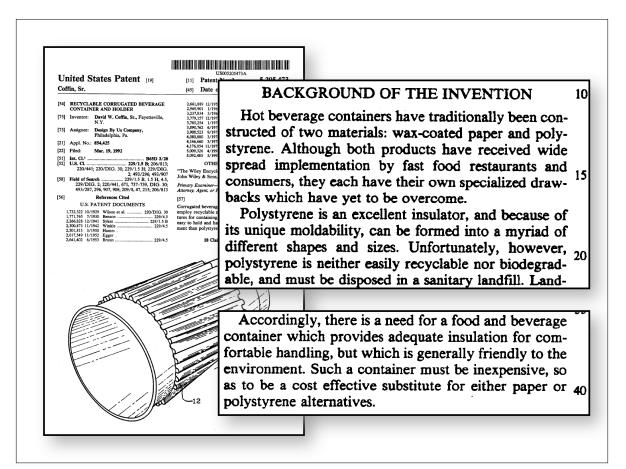
	US005205473A	[56]	References Cited
United States Patent [19] Coffin, Sr.	[11] Patent Number: 5,205,4 [45] Date of Patent: Apr. 27, 1		U.S. PATENT DOCUMENTS
[54] RECYCLABLE CORRUCATED BEVERAGE CONTAINER AND HOLDER [75] Inventor. David W. Coffin, Sr., Fayetteville, N.Y. [74] Auginer. David BV. Company, Philadelphia, Pa. [21] Appl. No. 154,425 [21] Appl. No. 154,425 [21] Invel. Gr., 154,926 [21] Inic. G., 2004.151, 1250/0151, 220/0441; 202/015, 30, 220/151, 1250/0151, 220/0441; 202/015, 30, 220/041, 31, 1277-153, DLG, 30, 220/041, 31, 727-753, DLG, 30, 220/041, 31, 727-753, DLG, 30, 220/041, 31, 727-753, DLG, 30, 30, 30, 30, 30, 30, 30, 30, 30, 30	2.661,859 12/953 Phinney 23 2.969,001 1/1951 Behress 239 3.137,134 17966 Davie et al. 239 3.137,134 17966 Davie et al. 239 3.137,134 1/1952 Mans. 24 3.137,134 1/1975 Mans. 26 3.137,134 1/1975 Mans. 46 4.146,600 1/1975 Mans. 46 4.146,600 1/1975 Mals. 46 4.146,600 1/1975 Mals. 47 5.052,415 3/1978 Left. 4.1 4.176,004 1/1975 Kalley 4.1 5.052,415 3/1992 Lee 209 OTHER PUBLICATIONS 7 70 The Wiley Exceptopeint of Pockaping Technole John Wiley & Sons, pp. 66-69, 1986. 70 John Wiley & Sons, pp. 66-69, 1986. 70 70 70		1,732,322 10/1929 Wilson et al. 220/DIG. 30 1,771,765 7/1930 Benson 229/4.5 2,266,828 12/1941 Sykes 229/1.5 B 2,300,473 11/1942 Winkle 229/4.5 2,501,815 3/1950 Hamm 229/4.5 2,617,549 11/1952 Egger 229/4.5 2,641,402 6/1953 Bruun 229/4.5
229/DIG. 2; 220/441, 671, 737–739, DIG. 30; 493/287, 296, 907, 908; 209/8, 47, 215; 206/813 [56] References Cited	Primary Examiner—Gary E. Elkins Attorney, Agent, or Firm—Synnestvedt & Lechner [57] ABSTRACT		
US. PATENT DOCUMENTS 177323 201959 Wilso et202010.9 1771740 71980 Million et20204 200471 119184 Walk2014 200471 11918 Walk	Graphic beverage ontilines and holders are well subscripted by an article of the provide fluid graphic on the end of the subscripted by the subscr		2,661,889 12/1953 Phinney 229/4.3 2,969,901 1/1961 Behrens 229/1.5 H 3,237,834 3/1966 Davis et al. 229/1.5 H 3,779,157 12/1973 Ross, Jr. et al. 53/52' 3,785,254 1/1974 Mann . 53/52' 3,785,254 1/1974 Mann . 53/52' 3,908,523 9/1975 Shikaya 229/1.5 H 4,080,880 3/1978 Shikaya 493/296' 4,146,660 3/1979 Hall et al 4,176,054 11/1979 5,009,326 4/1991 Reaves et al 5,092,485 3/1992 OTHER PUBLICATIONS OTHER PUBLICATIONS
	-12		hn Wiley & Sons, pp. 66-69, 1986.



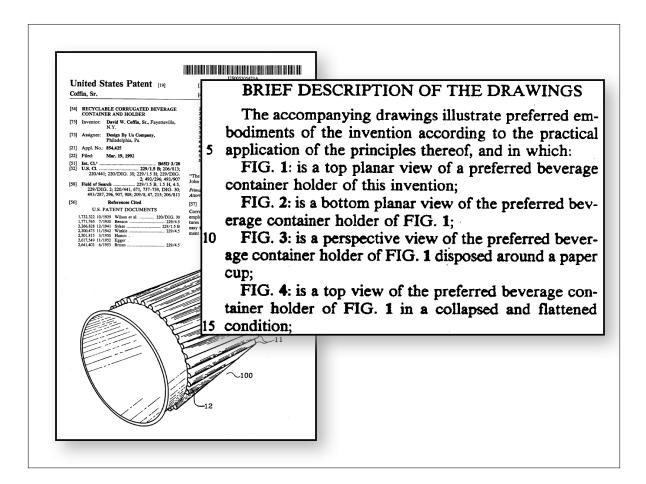
United States Patent [19] Coffin, Sr.	[11] Patent Number: 5,205,473 [45] Date of Patent: Apr. 27, 1993
 [54] RECYCLABLE CORRUCATED BEVERAGE CONTAINER AND HOLDER [75] Inventor: David W. Coffin, Sr., Fayetteville, N.Y. [73] Assignce: Design By Us Company, Philadelphia, Pa. 	264.1439 12/359 Phiney 229/45 [57] ABSTRACT
[21] Appl. No.: 854,425 [22] Filed: Mar. 19. 1992 [31] Int. C. ¹	Corrugated beverage containers and holders are which employ recyclable materials, but provide fluting struc- tures for containing insulating air. These products are easy to hold and have a lesser impact on the environ-
2:00;435 3:7980 Hamm . 2:017;49 U1980 Egger . 2:041,402 6:/1933 Brown	ment than polystyrene containers.



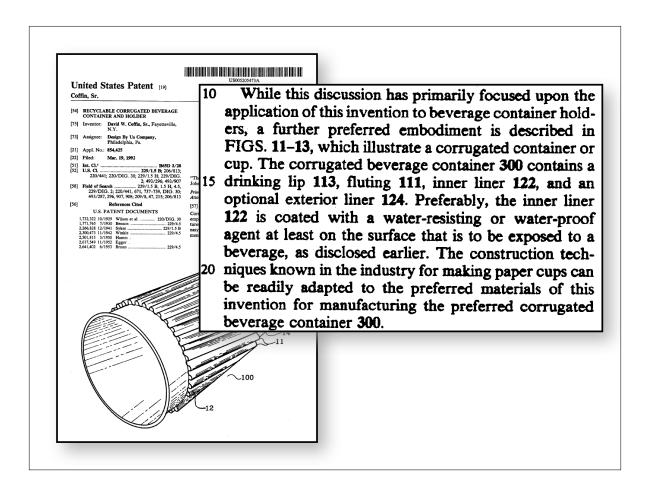




United States Patent [19]	US005205473A [11] Patent Number: 5,205,4	SUMMARY OF THE INVENTION
Coffin, Sr.	[45] Date of Patent: Apr. 27, 1	This invention provides recyclable, corrugated con
[54] RECYCLABLE CORRUGATED BEVERAGE CONTAINER AND HOLDER	2,661,889 12/1953 Phinney	tainers and container holders which can be made from
[75] Inventor: David W. Coffin, Sr., Fayetteville, N.V.	3,237,834 3/1966 Davis et al	existing cellulosic materials, such as paper. The pre
[73] Assignce: Design By Us Company,	3,890,762 6/1975 Ernst et al 3,908,523 9/1975 Shikaya	ferred recyclable, corrugated hot beverage containe
Philadelphia, Pa. [21] Appl. No.: 854,425	4,080,880 3/1978 Shikay	
[22] Filed: Mar. 19, 1992	5,009,326 4/1991 Reaves et al 5,092,485 3/1992 Lee229/	includes a lip and an internal cavity for containing a ho
 [51] Int. Cl.⁵	OTHER PUBLICATIONS	or cold medium. The container includes fluting means
[58] Field of Search	"The Wiley Encyclopedia of Packaging Technolo John Wiley & Sons, pp. 66-69, 1986.	such as fluting adhesively attached to one or more lin
229/DIG. 2; 220/441, 671, 737-739, DIG. 30; 493/287, 296, 907, 908; 209/8, 47, 215; 206/813	Primary Examiner-Gary E. Elkins Attorney, Agent, or Firm-Synnestvedt & Lechner	ers, for thermally spacing the hands of the user from the
[56] References Cited U.S. PATENT DOCUMENTS	[57] ABSTRACT	harsh temperatures of the contents of the container.
1,732,322 10/1929 Wilson et al	Corrugated beverage containers and holders are w employ recyclable materials, but provide fluting st	In the preferred holders of this invention, a corru
2,266,828 12/1941 Sykes	tures for containing insulating air. These products easy to hold and have a lesser impact on the envi ment than polystyrene containers.	gated tubular member is provided having at least a firs
2,501,815 3/1950 Hamm . 2,617,549 11/1952 Egger . 2,641,402 6/1953 Bruun	18 Claims, 8 Drawing Sheets	
2,041,402 0/1953 Brute	to Claims, o Drawing Sneets	opening for receiving and retaining a cup, or the like
		The tubular member's corrugation, like that for the
	211	container above, includes fluting means for providing
	S II	insulating air pockets. The holder can also be fashioned
-040		to be collapsible about two or more pivot points for fla
and the second		storage.
		Accordingly, the deficiencies of both paper and poly
	14	styrene are overcome at a minimum expense. The con-
		tainers of this invention can be used for comfortably
	100	holding a variety of beverages, such as hot chocolate
	S	soup, or coffee. The provided holders can be used in
	PX	conjunction with paper cups, aluminum cans, or other
	-12	beverage containers, without the discomfort associated
\sim		with condensation and extreme temperatures.



United States Patent [19]	[11] Patent N	DETAILED DESCRIPTION OF THE
Coffin, Sr.	[45] Date of	INVENTION
[54] RECYCLABLE CORRUGATED BEVERAGE CONTAINER AND HOLDER	2,661,889 12/1953 2,969,901 1/1961 3,237,834 3/1966	
[75] Inventor: David W. Coffin, Sr., Fayetteville, N.Y.	3,779,157 12/1973 3,785,254 1/1974 3,890,762 6/1975	This invention provides corrugated beverage co
[73] Assignce: Design By Us Company, Philadelphia, Pa.	3,908,523 9/1975 4,080,880 3/1978	tainer holders and beverage containers which are env
 [21] Appl. No.: 854,425 [22] Filed: Mar. 19, 1992 	4,146,660 3/1979 4,176,054 11/1979 5,009,326 4/1991	ronmentally friendly and which provide adequate ins
[51] Int. Cl. ⁵	5,092,485 3/1992 OTHER	
220/441; 220/DIG. 30; 229/1.5 H; 229/DIG. 2; 493/296; 493/907	"The Wiley Encyclope John Wiley & Sons, pr	lation properties approaching those of polystyrene. The
[58] Field of Search	Primary Examiner-G	corrugated tubes of these products preferably conta
[56] References Cited	Attorney, Agent, or Firr [57] A 50	longitudinally extending flutes and include a general
U.S. PATENT DOCUMENTS 1,732,322 10/1929 Wilson et al	Corrugated beverage c employ recyclable mat	tapered or conical structure, typical of beverage co
1,771,765 7/1930 Benson	tures for containing in easy to hold and have	
2,501,815 3/1950 Hamm . 2,617,549 11/1952 Egger .	ment than polystyrene	tainers. The corrugation can be made of cellulosic mat
2,641,402 6/1953 Bruun 229/4.5	18 Claims	rials, including craft paper, sulfite paper, or recycle
		paper. Ideally, the fluting and liners of this invention a
	55	
TANK C		bly, a biodegradable adhesive, for example, R130 adh
		sive by Fasson Inc., Grand Rapids, MI.
		With reference to FIGS. 1-5, there is shown, in mu
		tiple views, a preferred beverage container holder 1
	60	Free Protection and Protection and Protection
		tubular structure having an inner liner 12 and sinuor
		fluting 11 disposed around the periphery of the liner 1
		maning in approve around the berthier a of the inter i



United States Patent [19] Coffin, Sr.	1. A recyclable, insulating beverage container holde
[54] RECYCLABLE CORRUGATED BEVERAGE CONTAINER AND HOLDER	(*) Dat comprising a corrugated tubular member comprisin
 [75] Inventor: David W. Coffin, Sr., Fayetteville, N.Y. [73] Assignee: Design By Us Company, Philadelphia, Pa. 	receiving and retaining a beverage container, said container,
[21] Appl. No.: 854,425 [22] Filed: Mar. 19, 1992	rugated tubular member comprising fluting means for
[51] Int. Cl. ⁵ B65D 3/28 [52] U.S. Cl. 229/1.5 B; 206/813; 220/01G. 30; 229/1.5 H; 229/DIG. 32; 493/296; 493/907	containing insulating air; said fluting means comprisin
[58] Field of Search	Joan wury e Sanner-Garv F. Elkins
[56] References Cited U.S. PATENT DOCUMENTS	fluting adhesively attached to a liner with a recyclabl
1,732,322 10/1929 Wilson et al	are to contain autocontent autocon
2,300,473 11/1942 Winkle	ment than polystyrene containers.
	4. The holder of claim 1, wherein said tubular mem
	ber comprises at least two pivot axes for permitting sai
and the	tubular member to fold into a flattened condition.
	5. The holder of claim 1, wherein a surface of said
	liner is coated with a water-resisting agent.
	6. The holder of claim 1, wherein said fluting com
	prises sinuous fluting.
	8. A recyclable collapsible beverage container holde



