FOR THE UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF ILLINOIS EASTERN DIVISION		
NAOS S.r.L.,		
Plaintiff,	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
v.	Civil Action No. 04-CV-7618	
TOTAL INTERNATIONAL TRADING CO., INC.,	Judge Samuel Der-Yeghiayan	
Defendant.) 	

FIRST AMENDED COMPLAINT

Pursuant to Rule 15(a) of the Federal Rules of Civil Procedure, Plaintiff Naos S.r.L. (hereinafter "Naos"), by its attorneys, hereby submits its First Amended Complaint as a matter of course before service by Defendant Total International Trading Co., Inc. (hereinafter "Total International") of a responsive pleading to Naos' original Complaint (D.L. 1), and alleges as follows:

PARTIES

- 1. Plaintiff Naos is a corporation organized and existing under the laws of Italy with a principal place of business at Via Ottone Rosai, No. 1 50063 Figure Valdarno, Firenze, Italy, and is the owner by assignment of all rights, title, and interest in and to United States Patent No. 5,458,070 (hereinafter "the '070 patent).
- 2. On information and belief, Defendant Total International is a corporation organized and existing under the laws of the State of Illinois and having its principal place of business at 1325 Pratt Boulevard, Eik Grove Village, Illinois 60007, in Cook County.

JURISDICTION AND VENUE

3. This is an action for patent infringement arising under the patent laws of the United States, Title 35 of the United States Code, Section 1 et seq., including Title 35 of the United States Code, Section 271. This Court has subject matter jurisdiction over this action and Naos' claims for patent infringement based on Title 28 of the United States Code, Sections 1331 and 1338(a).

4. This Court has personal jurisdiction over Total International on the following grounds, inter alia, (a) Total International is a corporation organized and existing under the laws of the State of Illinois; (b) Total International has its primary place of business at 1325 Pratt Boulevard, Elk Grove, Illinois, Cook County; (c) on information and belief, Total International, either directly or through its sales and/or import agents, has directly infringed, and continues to directly infringe, one or more claims of the '070 patent by importing, offering for sale, and/or selling, in this judicial district, adjustable tables that embody the invention claimed in the '070 patent.

5. Plaintiff re-alleges and incorporates herein the allegations of paragraphs 1-4 above. Venue lies in this Judicial District under Title 28 of the United States Code, Sections 1391(b) and (c), and 1400(b) on the grounds that the sole defendant, Total International: (a) resides in this Judicial District; (b) has a regular and established place of business in this Judicial District; (c) has committed acts of direct infringement of the '070 patent in this Judicial District; and (d) has engaged in a substantial part of the acts and omissions that give rise to Naos' claims of patent infringement against Total International in this Judicial District.

FACTS

- 6. On October 17, 1995, the United States Patent and Trademark Office duly and legally issued U.S. Patent No. 5,458,070 ("the '070 patent"), which is entitled "Extendible Table With Two Rotating Elements, For Use As A Piece Of Furniture." The inventors listed on the '070 patent are Arnaldo Gamba and Anna L. Guerra. A copy of the '070 patent is attached hereto as Exhibit A.
- 7. As of March 21, 1994, Mr. Gamba and Ms. Guerra duly and legally assigned their entire right, title, and interest in and to the '070 patent to Plaintiff Naos.
- 8. On information and belief, Total International was engaged in the importation, offer for sale, and sale in the United States, and continues to be engaged in the importation, offer for sale, and sale in the United States, of adjustable tables, e.g., motion coffee tables and motion occasional tables shown in Exhibit B hereto, that include two or three legs, each of which legs is rotatably connected to a base at one end and to a table leaf at the other end, and each of which legs rotates its respective table leaf in an arc in a manner that embodies the invention claimed in the '070 patent.
- 9. On information and belief, Naos has imported into the United States, and offered to sell and sold in the United States, adjustable tables, e.g., "La Casa Animata" adjustable tables, that embody the invention claimed in the '070 patent and that are properly marked with the word "patents" and the number of the '070 patent, i.e., "N. 5,458,070," in compliance with Title 35, United States Code, Section 287(a), 35 U.S.C. § 287(a).
- 10. On information and belief, since at least July 1994, when Total International was informed of the '070 patent and its direct infringement of that patent, Total International has known that its importation into the United States, and its offer for sale and sale

Case: 1:04-cv-07618 Document #: 8 Filed: 12/20/04 Page 4 of 21 PageID #:37

in the United States, of adjustable motion tables directly infringe one or more claims of the '070 patent.

- 11. On information and belief, since at least January 1, 2004, Total International has published in the United States, and continues to publish in the United States, catalogs that illustrate the use of infringing motion coffee tables and motion occasional tables.

 An excerpt of pertinent pages from one such catalog is appended as Exhibit B hereto.
- 12. On information and belief, since at least July 2004, Total International has known that consumers' and retailers' use of the adjustable motion tables that it imports, offers for sale, and sells in the United States directly infringes the '070 patent, and Total International has known or should have known that its publication of catalogs illustrating the use of those tables would induce direct infringement of one or more claims of the '070 patent by retailers and consumers who received those catalogs.
- 13. On information and belief, since at least July 2004, when it received actual knowledge of the '070 patent, and its direct infringement of that patent, Total International has continued to import into the United States, and offer for sale and sell in the United States, infringing motion tables and therefore has deliberately and willfully infringed the '070 patent.
- 14. On information and belief, since at least July 2004, when it received actual knowledge of the '070 patent, Total International has continued to publish catalogs illustrating the use of infringing motion tables and motion occasional tables and has thereby actively and knowingly induced infringement of the '070 patent.

COUNT I: <u>DIRECT INFRINGEMENT OF THE '070 PATENT</u>

15. Plaintiff re-alleges and incorporates herein the allegations of paragraphs 1 14 above. On information and belief, Total International has directly infringed, and/or continues

to directly infringe, one or more claims of the '070 patent by, inter alia, importation into the United States, and the offer for sale and sale in the United States, of adjustable tables, including at least the R8015 Double Round Motion Coffee Table, the R8028 Motion Triple Round Coffee Table, and the R8032 Motion Occasional Table, each of which embody the invention claimed in the '070 patent, in violation of Title 35, United States Code, Section 271(a).

COUNT II: INDUCEMENT OF INFRINGEMENT OF THE '070 PATENT

16. Plaintiff re-alleges and incorporates herein the allegations of paragraphs 115 above. On information and belief, since at least July 2004, Total International has actively and knowingly induced direct infringement of one or more claims of the '070 patent by its publication of catalogs in the United States that illustrate the use of infringing adjustable tables, including, at least, the R8015 Double Round Motion Coffee Table, the R8028 Motion Triple Round Coffee Table, and the R8032 Motion Occasional Table, in violation of Title 35, United States Code, Section 271(b).

WILLFULNESS

17. Plaintiff re-alleges and incorporates herein the allegations of paragraphs 116 above. On information and belief, since at least July 2004, when Total International received notice of the '070 patent, and of Total International's direct and indirect infringement of that patent, Total International has known or should have known, that its importation into the United States, and its offer for sale and sale in the United States, of the accused tables directly infringe one or more claims of the '070 patent, and that its publication in the United States of catalogs illustrating the use of the accused tables induce infringement of the '070 patent. On information and belief, since at least July 2004, Total International's infringement of the '070 patent has been, and continues to be, deliberate and willful.

<u>INJURY</u>

- 18. Plaintiff re-alleges and incorporates herein the allegations of paragraphs 117 above. As a result of Total International's acts of infringement complained of herein, Naos
 has been damaged in its business and property in an amount not yet determined, and Naos will
 continue to be damaged by such acts in the future.
- 19. Plaintiff re-alleges and incorporates herein the allegations of paragraphs 118 above. On information and belief, Naos has also been damaged in its business and property
 in an amount not yet determined, and will continue to be damaged in the future, by Total
 International's sales of products and/or services in convoy with, and/or derivative of Total
 International's infringing sales of adjustable tables.
- 20. On information and belief, Total International likely will continue to infringe claims of the '070 patent, unless enjoined by order of this Court.

DEMAND FOR JURY TRIAL

21. Pursuant to Rule 38(b) of the Federal Rules of Civil Procedure, Plaintiff hereby demands a jury trial on all issues.

PRAYER FOR RELIEF

WHEREFORE, Naos respectfully requests:

- (a) A judgment by the Court finding, declaring, and adjudging in favor of Naos and against Total International, and declaring the '070 patent to be infringed by Total International, not invalid, and enforceable;
- (b) An injunction under 35 U.S.C. § 283 permanently enjoining Total International, and its officers, agents, employees, servants, and all those acting in concert with them, from further acts of infringement of the '070 patent, including, but not limited to:

(1) importation into the United States of adjustable tables that constitutes a direct infringement of one or more claims of the '070 patent; (2) offer for sale and sale of adjustable tables in the United States that constitutes a direct infringement of one or more claims of the '070 patent; and (3) publication of catalogs illustrating the use of adjustable tables in a manner that induces direct infringement of one or more claims of the '070 patent;

(c) An accounting and award of damages under 35 U.S.C. § 284 adequate to compensate Naos for Total International's infringement of the '070 patent, and in no event less than a reasonable royalty, together with prejudgment interest and costs as fixed by the Court;

(d) A judgment by the Court that Total International's infringement of the '070 patent has been deliberate and willful and for a trebling of the damages found or assessed as a result of Total International's infringement of the '070 patent pursuant to 35 U.S.C. § 284;

(e) An award of reasonable attorneys' fees pursuant to 35 U.S.C. § 285; and

(f) An award of such other and further relief as the Court may deem just and proper.

Respectfully submitted,

NAOS S.r.L.

One of Its Attorneys

DAVIS, MANNIX & MCGRATH LLC

William T. McGrath

Marsha K. Hoover

Kevin A. Thompson

Attorneys for Plaintiff

125 South Wacker Drive

Suite 1700

Chicago, Illinois 60606-4402

(312) 332-0953

Case: 1:04-cv-07618 Document #: 8 Filed: 12/20/04 Page 8 of 21 PageID #:41

Dated:

Chicago, Illinois

December 20, 2004

Of Counsel:

DICKINSON WRIGHT PLLC Stephen L. Sulzer James P. Calve Lisa E. Marks 1901 L Street, N.W., Suite 800 Washington, D.C. 20036 (202) 659-6828 (202) 659-1559 (Fax) Case: 1:04-cv-07618 Document #: 8 Filed: 12/20/04 Page 9 of 21 PageID #:42

United States Patent [19]

Gamba et al.

[11] Patent Number:

5,458,070

[45] Date of Patent:

Oct. 17, 1995

[54]	EXTENDIBLE TABLE WITH TWO
	ROTATING ELEMENTS, FOR USE AS A
	PIECE OF FURNITURE

[75] Inventora: Arnaldo Gamba, Noale; Anna L. Guerra, Padua, both of Italy

[73] Assignee: NAOS S.R.L., Florence, Italy

[21] Appl. No.: 219,016

[22] Filed: Mar. 28, 1994

[30] Fereign Application Priority Data

Apr. 1, 1993 [IT] Italy ______ F192U0032

[51] Int. Cl.⁶ ______ A47B 1/00

[52] U.S. Cl. ______ 108/65; 108/65, 65, 86, 108/73, 140, 143, 89, 70, 59

[56]

References Cited

U.S. PATENT DOCUMENTS

		De Simone	
3,538,862	11/1970	Parierce	108/59
5,237,937	8/1993	Peltier et al.	105/66
		14.0	

FOREIGN PATENT DOCUMENTS

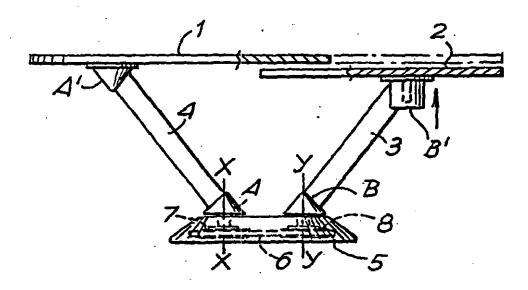
Primary Examiner—Remeth J. Dorner Assistant Examiner—Janet M. Wilkens Autorney, Agent, or Firm—McGiew and Tuttle

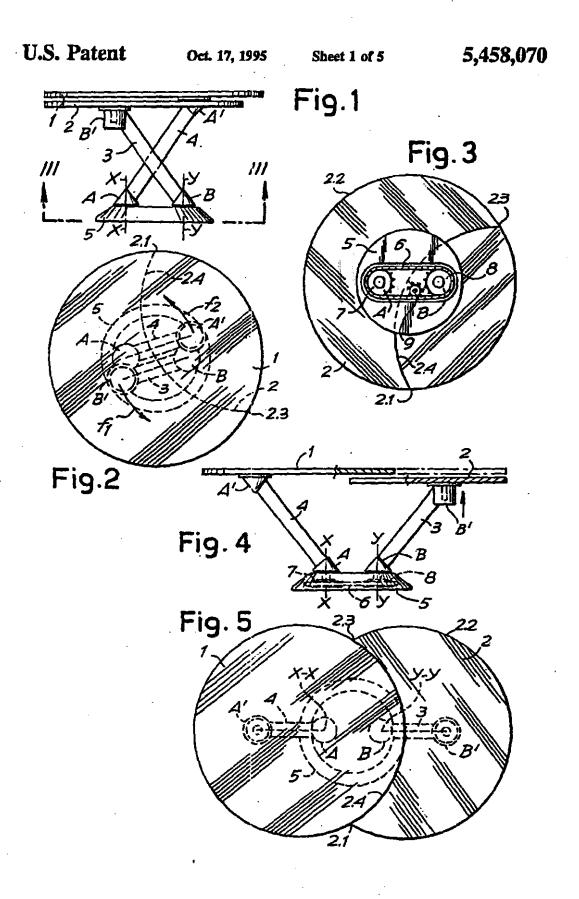
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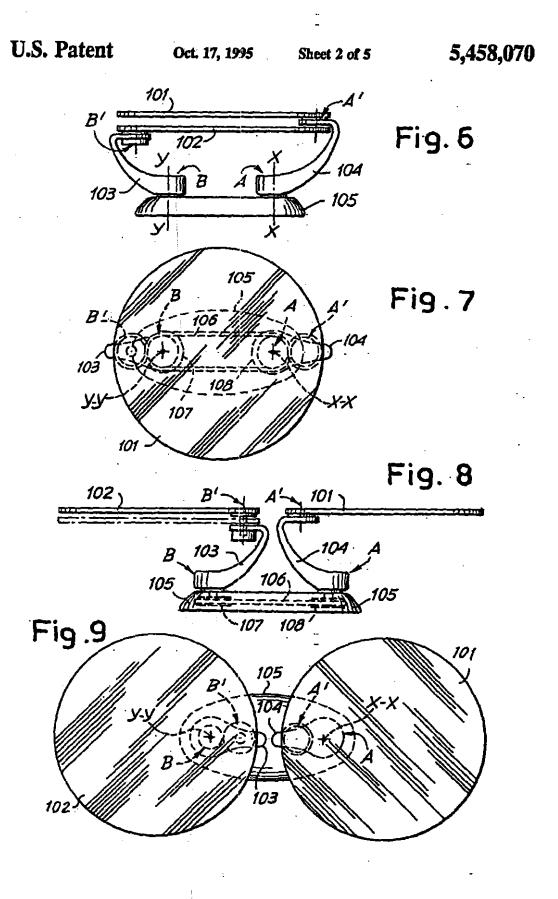
ABSTRACT

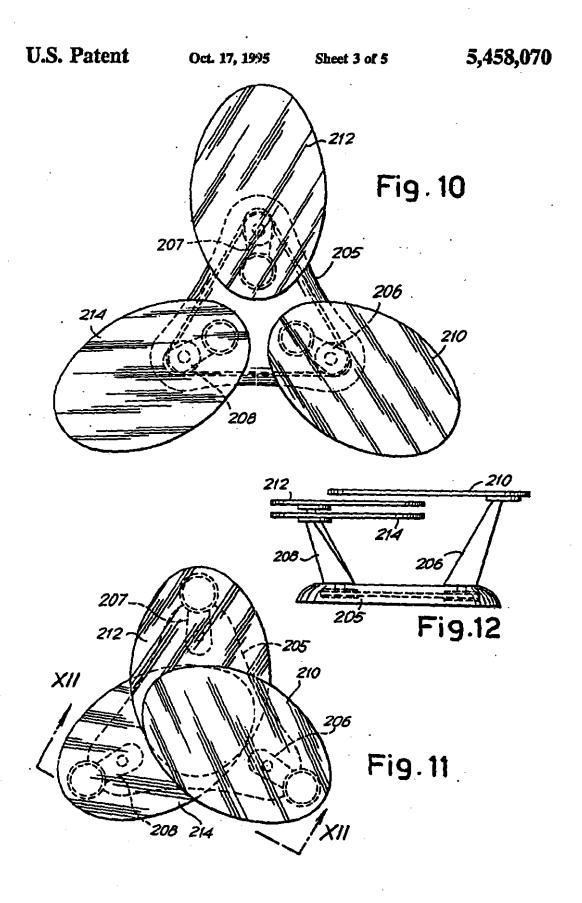
The table comprises two leaves (1) and (2) lying one on top of the other in two parallel and adjacent planes, it being possible to draw the leaves apart in plan view; each leaf is supported by a support arm which is inclined to a greater or leaser degree (4) and (3), the two arms being articulated on a base (5) about axes (X-X) and (Y-Y) which are parallel to one another and orthogonal to the plane of the leaver; a chain transmission (6) in the base (5) kinematically connects the two support arms (4) and (3) together so that they can be moved simultaneously with respect to one another.

15 Claims, 5 Drawing Sheets



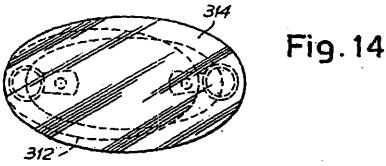


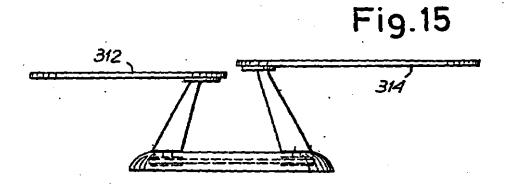


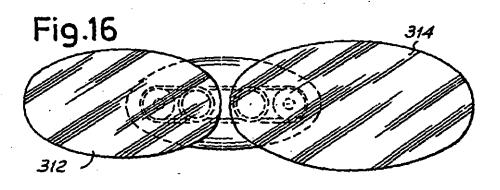


U.S. Patent Oct. 17, 1995 Sheet 4 of 5 5,458,070

Fig. 13





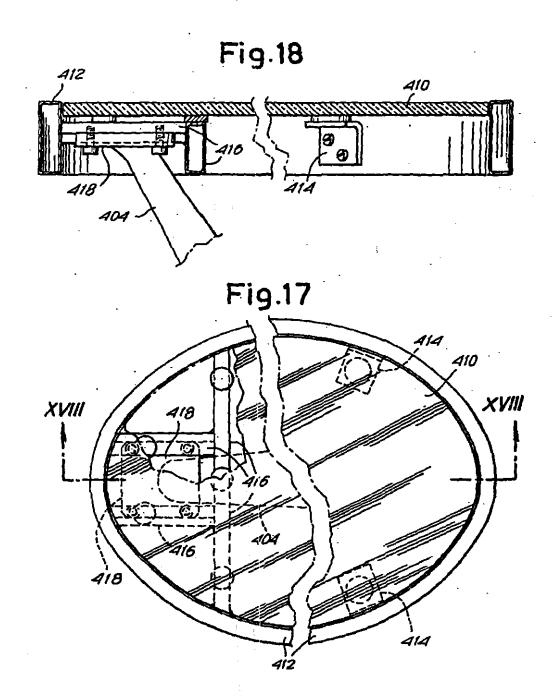


U.S. Patent

Oct. 17, 1995

Sheet 5 of 5

5,458,070



5,458,070

1 EXTENDIBLE TABLE WITH TWO ROTATING ELEMENTS, FOR USE AS A PIECE OF FURNITURE

FIELD OF THE INVENTION

The present invention relates to a table, the top of which can be extended from a minimum-extension position to a maximum-extension position.

BACKGROUND OF THE INVENTION

Tables whose surface can be varied by adding extra leaves on one or more of their sides are known. In other cases the top of the table is divided into at least two parts which can 15 be pulled spart by sliding them on suitable prismatic guides: In this example, once the parts of the table top have neen pulled apart, extra parts can be inserted which fit together with the first two. Other examples involve the rotation and folding of one surface articulated to another surface in the 20 on line XVIII-XVIII of FIG. 17. form of a book. With all these solutions the operations involved in changing the table set-up are bothersome and usually entail removing any objects which happen to be on at least one of the two leaves.

SUMMARY AND OBJECTS OF THE INVENTION

The present invention provides a table for use as a piece of furniture, comprising at least two leaves lying at least partially one on top of the other on parallel and adjacent planes, in the minimum-extension position, it being possible to draw said leaves apart in plan view; each leaf is supported by a support arm which is inclined to a greater or kaser degree, the arms being articulated on a base about axes 35 which are parallel to one another and orthogonal to the plane of the leaves; a transmission is provided in the said base in order kinematically to connect the support arms together so that they can be moved angularly simultaneously with respect to one another. Once the leaves have been rotated 40 into the maximum-extension position of the table surface, they can be made to lie in the same plane by vertically moving at least one of them and then locking it in position. The surface shape of the leaves may be such that in the minimum-extension position they lie completely one on top of the other or, alternatively, such that in the maximumextension position they are juxtaposed with respect to one another, the two surfaces being identical or different, or such that they are not juxtaposed at all.

The various features of novelty which characterize the 50 invention are pointed out with particularity in the chims annexed to and forming a part of this disclosure. For a better understanding of the invention, its operating advantages and specific objects attained by its uses, reference is made to the accompanying drawings and descriptive matter in which 15 preferred embodiments of the invention are illustrated.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings:

FIG. 1 and 2 show a lateral view and a plan view respectively of a first embodiment of the table, in the minimum-extension position;

PIG. 3 shows the kinematic transmission connection between the two support arms, in a view along the line 65 III-III of FIG. 1:

FIGS. 4 and 5 show a side view and a plan view

respectively of the table of FIG. 1 in the maximum-extension position;

FIG. 6 and 7 show a side view and plan view respectively of a second embodiment of the table, in the minimum-5 extension position;

FIGS. 8 and 9 show a side view and a plan view respectively of the table of PIO. 7 in the maximum-extension position;

FIGS. 10 to 12 show two plan views of a table with three leaves in open position and in a position in which they lie partially one on top of the other, and a view along the line XII—XII of FIG. 11;

FIGS. 13 to 16 show a modified embodiment with respect to PIGS. 6 to 9, in a side view and in a plan view, with the leaves lying one on top of the other and respectively with the leaves drawn apart:

FIGS. 17 and 18 show an embodiment with a crystal leaf provided with a perimetric frame, in plan view and in section

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

With reference to FIGS. 1 to 5, (1) and (2) indicate the two leaves of the table, the first (1) of which, lying on top of the second, has a circular shape in plan view, whereas the second (2) has a shape delimited by the two ares of a circle (2.1-2.2-2.3) and (2.1-2.4-2.3) in plan view, in which (2.1) and (2.3) are the points of intersection of the two area while (2.2) and (2.4) are any points on the first and on the second. are respectively. These area of a circle have approximately the same radius as that of the circle which constitutes the shape of the upper leaf. Each of the two leaves is connected to a support sem or leg, the leaf (1) at point (A') to a leaf end of an arm (4) and the leaf (2) at the point (8') to leaf end of an arm (3) respectively. The two arms (3, 4) have been ends which are articulated on a base (5) at the points (A) and (B) and can rotate about the vertical first and second axea (X-X) and (Y-Y) respectively; in addition their shape and arrangement are such that in the configuration shown in FIG. 1 they appear crossed. In addition to housing the articulation. pins for the arms (3, 4) the base (5) also houses a chain transmission consisting of a chain (6) running around two toothed wheels (7) and (8) which have the same pitch diameter, each of these wheels being securely attached to the first and to the second support arms (3, 4) of the leaves respectively. The chain transmission also optionally comprising a tensioning sprocket wheel (9). Therefore by rousting the top leaf (1) in the horizontal plane and in a counterclockwise direction-arrow fi-through an angle equal to or slightly less than 180°, the bottom leaf (2), driven by the chain transmission, executes a similar rotation in the same direction—arrow 12—and the table assumes the configuration shown in PIG. 4, in which the support arms (3, 4) are pulled apart and their top ends are distanced from one another. The fact that the two leaves are moved simultaneously ensures that a substantially constant equilibrium is maintained, so that the base may have reduced dimensions. Once these movements have been performed, the two leaves (1, 2) assume the position shown in FIGS. 4 and 5; the concave are (2.3, 2.4, 2.1) now coincides, as shown in FIG. 5, with the periphery of the circular leaf (1). The coupling between the leaf (2) and the support arm (3) is provided with a prismatic guide which alides in a vertical direction, and has a travel such as to enable the leaf (2) to be lifted to the same level as the leaf (1), at which point suitable snap or clamp

3

means, not snown in the figures, lock it into a stable position. The base (5) may also house snap or clamp means which block the rotation of at least one of the support arms in one or more of the positions assumed during rotation.

Suitable release means will be provided to reverse the 5 above operations.

The leaf (2) may be raised using a suitable servomechanism.

FIGS. 6 et seq. show a second embodiment of the invention in which equivalent members are denoted using the same references, increased by "100". This embodiment differs from that previously described in that the two leaves (101, 102)—which may be of the same shape, such as the circular one illustrated—are carried in a cantilevered manner by the corresponding support arms (104, 103), which arms 13 can rotate without crossing each other so as to assume two symmetrical positions.

If the two leaves (191, 102) are of the same shape and/or have same dimensions—at least in the direction defined by the two axes of rotation—for example the circular shape illustrated, the support arm (104) of the top leaf (101) will be shaped so as to pass around the outside of the botton leaf (102) and not interfere with it, either in the minimum-extension position of the table or during the relative movement of the two leaves.

FIGS. 10 to 12 show an embodiment with a base 205 on which there are articulated, according to three vertical axes disposed like the vertexes of an equilateral triangle, as many arms 206, 207, 208, each of which carries a leaf 210, 212, 214, respectively; the three leaves lie on, and are able to move with respect to as many horizontal geometrical planes brought close to each other, to reach positions in which they lie partially one on top of the other and are spaced spart (FIG. 10) or even intermediate positions. The displacement of each of the three leaves is simultaneous to that of the others, and may be of 180° between a position in which they lie towards, and above, the geometrical centre of the base 205, and a position in which they protrude outwards.

FIGS. 13 to 16 show an embodiment similar to that of 40 FIGS. 6 to 9, but in which one of the two leaves 313 and 314—which are oval instead of circular—has smaller dimensions than the other, in particular, it is the leaf 314 lying on top of leaf 312 which is of greater dimensions.

In the PIGS. 1 to 16, the leaves are in form of sheets, such 45 sa, and especially, of crystal sheets. PIGS. 17 and 18 show an embodiment wherein—instead of a thick crystal leaf, as in the previous embodiments—a relatively thin crystal leaf 410 is provided which is supported by a frame 412, for example through brackets 414 and cross-pieces 416, to 50 which a plate 418 for the sum 404 is also solid.

We claims:

- 1. A table comprising:
- a first leef.
- a base spaced from said first leaf;
- a first leg having a base end rotatably connected to said base about a first axis substantially perpendicular to said first leaf, said first leg having a leaf end connected to said first leaf and being spaced from said first axis to cause rotation of said first leaf about said first axis in an are when said first leg is rotated;
- a second leaf spaced from said base;
- a second leg having a base end rotatably connected to said base about a second axis substantially perpendicular to 63 said accord leaf, said second leg having a leaf end connected to said second leaf and being spaced from

4

said second axis to cause rotation of axid second leaf about said second axis in another are when said second leg is rotated;

transmission means positioned in said base and for kinematically connecting said first leg and said second legs to have rotation of one of said first and second legs cause rotation of another of said first and second legs.

2. A table in accordance with claim 1 wherein:

said first and second legs are positioned with respect to each other and said first and second leaves to cause rotation of said first and second legs about said first and second axes to move said first and second leaves from a first position to a second position, said second position having said first and second leaves further extended from each other than said first position.

3. A table in accordance with claim 2, wherein:

said first and second leaves are overlapped in said first position, and said first and second leaves are not overlapped in said second position.

4. A table in accordance with claim 2, wherein:

and first and second legs extend from an outer edge of said base towards an inside of said base when said first and second leaves are in said first position;

said first and second legs extend outward from said base when said first and second leaves are in said second position.

5. A table in accordance with claim 1, wherein:

said first and second leaves each have a portion complimentary to each other, and said portions are positioned adjacent each other in said second position.

6. A table in accordance with claim 2, wherein:

said first and accord legs are positioned substantially symmetrical in said first and second positions.

7. A table in accordance with claim 2, wherein:

said first leg has a curved shape;

asid accord leaf has a portion positioned between said leaf end and said base end of said first leg, when said first and second leaves are in said first position.

8. A table in accordance with claim 1 wherein:

said first and second legs are connected by said transmission means to cause rotation of said first and second legs about said first and accord axes to move said first and second leaves from a first position to a second position, said second position having said first and second leaves further extended from each other than said first position.

9. A table in accordance with claim 1, wherein:

said leaf end of said first leg is rotationally fixed to said first leaf:

said leaf end of said second leg is rotationally fixed to said second leaf:

said first and second axes are substantially parallel;

said first and second leaves are substantially parallel to each other:

said base bears directly on a floor:

said base is substantially parallel to said first and second leaves:

said first and second legs, said first and second leaves and said transmission means are related to maintain as equilibrium of the table substantially constant during rotation of said first and second legs;

said first and second axes are fixed at said base.

10. A table in accordance with claim 1, wherein:

said transmission means rotates said another one of said

5,458,070

5

legs in a same rotational direction as said one of said legs.

11. A table in accordance with claim 1, wherein: said transmission means includes a chain wheel fixed to each of said first and second legs, said transmission 5 means also includes a chain connected to said chain wheels.

12. A table in accordance with claim 1, wherein; said first leaf is movable into and out of a plane of said second leaf.

13. A table in accordance with claim 1, further comprising:

a third leaf spaced from said base;

a third leg having a leaf end connected to said third leaf and having a base end rotatably connected to said base about a third axis substantially perpendicular to said third leaf, said leaf end of said third leg being spaced from said third axis, said transmission means kinematically connecting said third leg to said first and second legs to have rotation of one of said legs cause rotation a remainder of said legs, each of said legs being rotatable about substantially 180 degrees, and said leaves being shaped to rotate said leaves from a first position having said leaves extending toward a center of said base to a second position having said leaves extending away from said base.

6

14. A table in accordance with claim 1, wherein; said first and accord leaves are formed as a plate supported directly by a respective leg.

15. A table in accordance with claim 1, wherein:

said first and second leaves are formed as a sheet supported by a frame, said frame being supported by a respective leg.

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Case: 1:04-cv-07618 Document #: 8 Filed: 12/20/04 Page 19 of 21 PageID #:52

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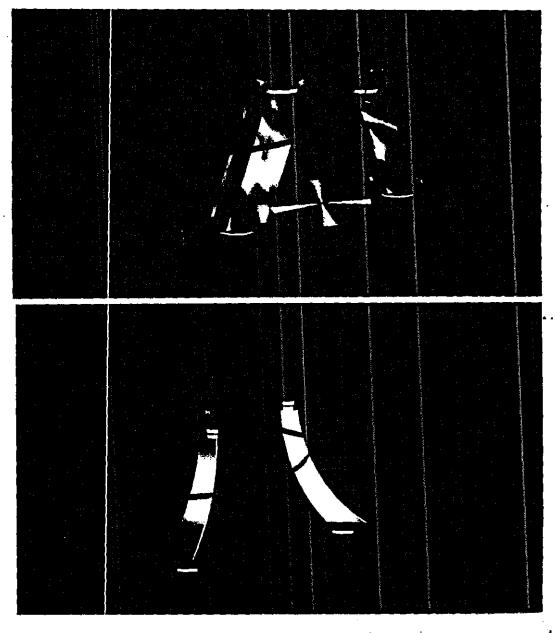




2004-II COLLECTION

IMPORTER. DISTRIBUTOR. FURNITURE & LIGHTING SPECIALIST

R8015 Double Round Motion Coffee Table Silver and black, w/12mm glass 53.5" x 31.5" x 18"H



R8028
Motion Triple Round
Coffee Table
Silver and black w/12mm
beveled glass
24 each x 16.5"H

