

Jc1120 Jc997 U.S. PTO
10/027872
12/21/01

FEB 10 2004

PATENT NUMBER and
ISSUE DATE
6688056

U.S. UTILITY Patent Application



6688056

APPL NUM 19027872	FILING DATE 12/21/2001	CLASS 160	SUBCLASS 231	GAU 363	EXAMINER McDermott
**APPLICANTS: Von Hoyningen Huene Eberhard; Salzman Michael; Boyer Geoffrey;					
**CONTINUING DATA VERIFIED: NONE-KM					
** FOREIGN APPLICATIONS VERIFIED: CANADA: 2,329,591 12/22/2000 OYAM - KM					
PG-PUB DO NOT PUBLISH <input type="checkbox"/>		RESCIND <input type="checkbox"/>		ATTORNEY DOCKET NO 9680.190US01	
Foreign priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		35 USC 119 conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		Verified and Acknowledged Examiners's initials KM	
TITLE: Movable and demountable wall panel system					

U.S. DEPT. OF COMM./PAT. & TM.-PTO-136L (Rev. 12-94)

NOTICE OF ALLOWANCE MAILED		KEVIN McDERMOTT, KM Assistant Examiner 9/8/03	CLAIMS ALLOWED		
9/9/03			Total Claims 19	Print Claim for O.G 1	
ISSUE/FEE		Carl D. Friedman Supervisory Patent Examiner Primary Examiner	DRAWING		
Amount Due 1300	Date Paid 12-3-03		Sheets Drwg. 60	Figs. Drwg. 68	Print Fig. 1
<input type="checkbox"/> TERMINAL DISCLAIMER		PREPARED FOR ISSUE	Tanya McBride Application Examiner 9/10/03		
WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368, Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.					

ISSUE FEE IN FILE

FILED WITH: DISK (CRF) CD-ROM
(Attached in pocket on right inside flap)

N-100-N-100-



10027872

jc997 U.S. PTO

10/027872



12/21/01

INITIALS



321 174002

CONTENTS

Date Received (incl. C. of M.) or Date Mailed

Date Received (incl. C. of M.) or Date Mailed

	Date Received (incl. C. of M.) or Date Mailed		Date Received (incl. C. of M.) or Date Mailed
1. Application <u>60</u> papers.		31.	
2. <u>Ltr: Re: CP, Dec Unsigned</u>	<u>1-25-02</u>	32.	
3. <u>Doc, drawing, data sh</u>	<u>03/23/02</u>	33.	
4. <u>Priority</u>	<u>03/22/02</u>	34.	
5. <u>I.D.S</u>	<u>3-22-02</u>	35.	
6. <u>Rej: (3)</u>	<u>5-6-03</u>	36.	
7. <u>Amndt: a</u>	<u>8/10/03</u>	37.	
8. <u>Suppl. I.D.S.</u>	<u>8/10/03</u>	38.	
9. <u>Ex Amndt HB</u>	<u>9/9/03</u>	39.	
10. <u>Letter</u>	<u>9/11/03</u>	40.	
11. <u>Final Drawings (60 sheets)</u>	<u>3/22/02</u>	41.	
12.		42.	
13.		43.	
14.		44.	
15.		45.	
16.		46.	
17.		47.	
18.		48.	
19.		49.	
20.		50.	
21.		51.	
22.		52.	
23.		53.	
24.		54.	
25.		55.	
26.		56.	
27.		57.	
28.		58.	
29.		59.	
30.		60.	

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

12/31/2001 EFLORES 00000046 10027872

01 FC:101

740.00 DP

PTO-1556
(5/87)

*U.S. GPO: 2000-468-987/39595

12/28/01

A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: VON HOYNINGEN HUENE et al.
Docket: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM

jc997 U.S. PTO
10/027872
12/21/01

CERTIFICATE UNDER 37 CFR 1.10
'Express Mail' mailing label number: EV 037644953 US
Date of Deposit: December 21, 2001
I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, Washington, D.C. 20231.
By: *Chris Stordahl*
Name: Chris Stordahl

BOX PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- Utility Patent Application: Spec. 29 pgs; 20 claims; Abstract 1 pgs.
The fee has been calculated as shown below in the 'Claims as Filed' table.
- 60 sheets of informal drawings
- An unsigned Combined Declaration and Power of Attorney
- A check in the amount of \$740.00 to cover the Filing Fee
- Other: Communication Regarding Priority Claim
- Return postcard

CLAIMS AS FILED

Number of Claims Filed	In Excess of:	Number Extra	Rate	Fee
Basic Filing Fee				\$740.00
Total Claims				
20	20	= 0	x 18.00	= \$0.00
Independent Claims				
1	3	= 0	x 84.00	= \$0.00
MULTIPLE DEPENDENT CLAIM FEE				\$0.00
TOTAL FILING FEE				\$740.00

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
(612) 332-5300

By: *Gregory A. Sebald*
Name: Gregory A. Sebald
Reg. No.: 33,280
Initials: GAS/pjk




(PTO TRANSMITTAL - NEW FILING)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: VON HOYNINGEN HUENE et al.
 Docket: 9680.190US01
 Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM

JC997 U.S. PTO
 10/027872

 12/21/01

CERTIFICATE UNDER 37 CFR 1.10
 'Express Mail' mailing label number: EV 037644953 US
 Date of Deposit: December 21, 2001
 I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, Washington, D.C. 20231.
 By: 
 Name: Chris Stordahl

BOX PATENT APPLICATION
 Commissioner for Patents
 Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:


- Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- Utility Patent Application: Spec. 29 pgs; 20 claims; Abstract 1 pgs.
The fee has been calculated as shown below in the 'Claims as Filed' table.
- 60 sheets of informal drawings
- An unsigned Combined Declaration and Power of Attorney
- A check in the amount of \$740.00 to cover the Filing Fee
- Other: Communication Regarding Priority Claim
- Return postcard

CLAIMS AS FILED

Number of Claims Filed		In Excess of:		Number Extra		Rate		Fee
Basic Filing Fee								\$740.00
Total Claims								
20	-	20	=	0	x	18.00	=	\$0.00
Independent Claims								
1	-	3	=	0	x	84.00	=	\$0.00
MULTIPLE DEPENDENT CLAIM FEE								\$0.00
TOTAL FILING FEE								\$740.00

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
 P.O. Box 2903, Minneapolis, MN 55402-0903
 (612) 332-5300

By: 
 Name: Gregory A. Sebald
 Reg. No.: 33,280
 Initials: GAS/pjk



(PTO TRANSMITTAL - NEW FILING)

MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM

Field of the invention

5 The present invention relates to a wall panel system. More particularly, the present invention relates to a moveable non-progressive mountable and demountable wall panel system.

Background of the invention

10

Fixed wall systems, moveable wall systems, and non-progressive wall systems are very well known in the art.

15

Some problems associated with fixed wall systems are the inability to displace and/or move the fixed wall systems once they are mounted; the inability to readily install passthrough components (wiring, etc.) after the fixed wall systems have been mounted; and the inability to readily change aspects and features of the fixed wall systems once they are installed. Furthermore, fixed wall systems are also disadvantageous because their installing is quite lengthy. For example, for conventional gyproc walls, one must first install supporting studs, then affix gyproc panels thereto, then plaster thereon, wait for drying of the plaster, sanding subsequently and then finishing the surfaces of the gyproc walls. It is well known in the art that the mounting of such fixed wall systems usually extends over several days and requires a great deal of manual labour, which is thus very inefficient and very cost ineffective.

20

25

30

Some of the problems associated with moveable wall systems are that, very often, their components are over-engineered (e.g. too heavy), different and specialized tooling is required for assembling such moveable wall systems, and the moveable wall systems generally comprise various different components which are not readily interchangeable. As a results of the above-mentioned, installation of such moveable wall systems is generally quite lengthy and

cumbersome. Furthermore, it is well known in the art that such moveable wall systems, by virtue of their design, offer generally very poor sound proofing, light proofing and/or vibration proofing.

5 Some of the problems associated with non-progressive wall systems are the inability to independently change, move, and/or alter a particular component of the non-progressive wall system without affecting the other components operatively connected to said particular component. Indeed, by virtue of their design, non-progressive wall systems generally have several components which
10 are intricately connected to one another and thus prevent one particular component thereof from being changed, moved, and/or altered without disturbing the other components of the non-progressive wall system.

Known to the Applicant are the following American patents which describe
15 different wall panel systems: 3,040,847; 3,352,078; 3,363,383; 3,675,382; 4,167,084; 4,399,644; 4,640,072; 4,757,657; 4,825,610; 5,056,577; 5,159,793; 5,207,037; 5,379,560; 5,381,845; 5,491,943; 5,644,878; 5,735,089; 5,875,596; 6,112,485; and 6,122,871.

20 None of the above-mentioned patents seem to disclose or even suggest a movable non-progressive mountable and demountable wall panel system which would overcome several of the above-mentioned problems associated with the prior art.

25 Summary of the invention

An object of the present invention is to provide a wall panel system which would satisfy some of the above-mentioned needs, and would thus be an improvement over the wall panel systems known in the art.

30

In accordance with the present invention, the above object is achieved by a moveable and demountable wall panel system comprising a plurality of panels

used for defining an office space, each panel having a vertical axis and a horizontal axis, each panel comprising:

opposite top and bottom distance channels, the distance channels extending along directions substantially parallel to the horizontal axis of the panel;

5 opposite left and right vertical posts, the vertical posts extending along directions substantially parallel to the vertical axis of the panel, the distance channels and vertical posts being affixed to one another by means of connecting studs for forming a rectangular support frame of the panel;

10 a panel covering removably mountable onto receiving means of the rectangular support frame;

a ceiling rail operatively connected to a top portion of the rectangular support frame, the ceiling rail being used for operatively securing the rectangular support frame of the panel to a ceiling surface; and

15 an articulating floor channel operatively connected to a bottom portion of the rectangular support frame by means of left and right glide assemblies mounted into receiving channels of the left and right vertical posts respectively, the articulating floor channel being used for operatively securing the rectangular support frame of the panel to a ground surface, the glide assemblies being further used for displacing the rectangular support frame with respect to the floor channel
20 along a direction substantially parallel to the vertical axis of the panel;

wherein each vertical post comprises at least one receiving lip extending along a direction substantially parallel to the vertical axis of the panel, each receiving lip being removably connectable to another receiving lip of a vertical post of a neighboring panel by means of a connector for selectively and
25 removably connecting together a plurality of panels in order to define said office space.

Preferably, the receiving means comprise receiving grooves disposed along the vertical posts in a direction substantially parallel to the vertical axis of
30 the panel and the panel covering comprises an outer panel shell and vertical stiffeners, the vertical stiffeners being securely affixed to lateral sides of the outer panel shell of the panel covering and being removably connectable onto the

receiving grooves of the vertical posts for removably connecting the panel covering onto the rectangular support frame of the panel.

5 Preferably, the receiving means comprise a receiving groove disposed along the top distance channel in a direction substantially parallel to the horizontal axis of the panel and the panel covering comprises an outer panel shell and a top stiffener, the top stiffener being securely affixed to a lateral side of the outer panel shell of the panel covering and being removably hookable onto the receiving groove of the top distance channel for removably hooking the panel covering onto the rectangular support frame of the panel.

10 Preferably, the vertical stiffeners each comprise a bracket and a flexible clip securely affixed onto one another, the brackets being further securely affixed to the lateral sides of the outer panel shell of the panel covering and the flexible clips being removably connectable into the receiving grooves of the vertical posts.

15 Preferably, the panel covering comprises an outer panel shell and intermediate stiffeners, the intermediate stiffeners being securely affixed transversely onto the outer panel shell of the panel covering in a direction substantially parallel to the horizontal axis of the panel.

20 Preferably, the connectors may comprise fins, may comprise flexible skirts, and may be provided with covering caps.

25 Preferably, floor channel is securely affixed to the ground surface by means of fasteners, and the ceiling rail is securely affixed to the ceiling surface by means of fasteners.

30 Preferably, each glide assembly comprises a substantially L-shaped glide and a glide bolt. The substantially L-shaped glide preferably has an abutment flange and an insert, the insert being removably insertable into a receiving channel of a corresponding vertical post. Preferably also, the glide bolt is

threadedly mounted into the abutment flange of the glide and has a pivot head articulately mounted to the floor channel by means of a rivet.

5 Preferably also, the pivot head of the glide bolt is positioned inside a longitudinal groove of the floor channel, and the rivet of the pivot head is constrained to slide along a transversal slot of the longitudinal groove of the floor channel. The insert of the glide preferably comprises two tongues removably mountable into respective receiving channels of a corresponding vertical post.

10 The invention and its advantages would be better understood upon reading the following non-restrictive description of preferred embodiments thereof, made with reference to the accompanying drawings.

Brief description of the drawings

15

Figure 1 is an exploded perspective view of a solid wall panel according to a preferred embodiment of the invention.

20 Figure 2 is an exploded perspective view of a glass wall panel according to a preferred embodiment of the invention.

Figure 3 is an exploded perspective view of some of the components of the wall panel shown in Figure 1, said wall panel being shown in an exploded view with a base cover according to a preferred embodiment of the invention.

25

Figure 4 is another exploded perspective view of what is shown in Figure 4.

30 Figure 5 is a perspective view of an intermediate stiffener of the wall panel shown in Figure 1.

Figure 6 is a cross-sectional view of the intermediate stiffener shown in Figure 5.

Figure 7 is a partial sectional exploded view of some of the components of the wall panel shown in Figure 1.

Figure 8 is a cross-sectional view of the bottom distance channel and the bottom stiffener of the wall panel shown in Figure 1.

Figure 9 is a cross-sectional view of the bottom stiffener shown in Figure 8.

Figure 10 is a partial sectional perspective view of some of the components of the wall panel shown in Figure 1.

Figure 11 is another perspective view of what is shown in Figure 10.

Figure 12 is yet another perspective view of what is shown in Figure 10.

Figure 13 is an exploded perspective view of a stackable flyover cooperating with two vertical posts according to a preferred embodiment of the invention.

Figure 14 is a partial enlarged view of what is shown in Figure 13.

Figure 15 is a cross-sectional view of a connecting stud according to a preferred embodiment of the invention.

Figure 16 is a side elevational view of the connecting stud shown in Figure 15.

Figure 17 is a cross-sectional view of what is shown in Figure 14.

Figure 18 is a cross-sectional view of what is shown in Figure 17 according to another preferred embodiment of the invention.

5 17. Figure 19 is a cross-sectional view of the stackable flyover shown in Figure

Figure 20 is a perspective view of a punched solid panel vertical post according to a preferred embodiment of the invention.

10 10 Figure 21 is a perspective view of a ceiling rail cooperating with a notched vertical post according to a preferred embodiment of the invention.

Figure 22 is a top plan view of the ceiling rail shown in Figure 21.

15 15 Figure 23 is a sectional view of a glide assembly of the wall panel shown in Figure 1, said glide assembly being shown cooperating with a floor channel according to a preferred embodiment of the invention.

20 20 Figure 24 is a perspective view of the glide of the glide assembly shown in Figure 23.

Figure 25 is a partial sectional view of two panel coverings 15 mounted onto a vertical post by means of a vertical stiffener according to a preferred embodiment of the invention.

25 25 Figure 26 is a cross-sectional view of one of the vertical stiffeners shown in Figure 25.

30 30 Figure 27 is a wall panel assembly according to a preferred embodiment of the invention.

Figure 28 is a wall panel assembly according to yet another preferred embodiment of the invention.

5

Figure 29 is a cross-sectional view of the connector shown in Figure 28.

Figure 30 is a cross-sectional view of a connector according to another preferred embodiment of the invention.

10

Figure 31 is a wall panel assembly according to yet another preferred embodiment of the invention.

Figure 32 is a cross-sectional view of the building module connector shown in Figure 31.

15

Figure 33 is a cross-sectional view of a wall panel assembly according to yet another preferred embodiment of the invention.

Figure 34 is an enlarged cross-sectional view of a portion shown in Figure 33.

20

Figure 35 is a cross-sectional view of the furniture module connector shown in Figure 34.

25

Figure 36 is a partial cross-sectional view of a wall panel assembly according to yet another preferred embodiment of the invention.

Figure 37 is a cross-sectional view of the double glazing gasket shown in the wall panel assembly of Figure 36.

30

Figure 38 is a partial cross-sectional view of a wall panel assembly according to yet another preferred embodiment of the invention.

Figure 39 is a cross-sectional view of the center cap shown in the wall panel of Figure 38.

5 Figure 40 is a partial cross-sectional view of a wall panel assembly according to yet another preferred embodiment of the invention.

Figure 41 is a cross-sectional view of a furniture module according to a preferred embodiment of the invention.

10 Figure 42 is a cross-sectional view of a furniture module according to yet another preferred embodiment of the invention.

Figure 43 is a cross-sectional view of a furniture module according to yet another preferred embodiment of the invention.

15 Figure 44 is a cross-sectional view of a furniture module according to yet another preferred embodiment of the invention.

20 Figure 45 is a cross-sectional view of a furniture module according to yet another preferred embodiment of the invention.

Figure 46 is a cross-sectional view of a glass vertical post according to a preferred embodiment of the invention.

25 Figure 47 is a cross-sectional view of a vertical post according to yet another preferred embodiment of the invention, said vertical post being shown with a weatherstrip holder mounted into the interseptum thereof.

30 Figure 48 is a cross-sectional view of a solid vertical post according to yet another preferred embodiment of the invention.

Figure 49 is a cross-sectional view of a building module according to a preferred embodiment of the invention.

5 Figure 50 is a cross-sectional view of a corner post according to a preferred embodiment of the invention.

10 Figure 51 is a cross-sectional view of a distance channel according to a preferred embodiment of the invention, said distance channel being shown provided with a connecting stud.

Figure 52 is a partial cross-sectional view of a wall panel assembly according to a preferred embodiment of the invention.

15 Figure 53 is a cross-sectional view of a distance channel according to yet another preferred embodiment of the invention.

Figure 54 is a cross-sectional view of a distance channel according to yet another preferred embodiment of the invention.

20 Figure 55 is a cross-sectional view of a distance channel according to yet another preferred embodiment of the invention.

25 Figure 56 is a cross-sectional view of a distance channel according to yet another preferred embodiment of the invention.

Figure 57 is a cross-sectional view of a transition channel according to a preferred embodiment of the invention.

30 Figure 58 is a cross-sectional view of a wall post according to a preferred embodiment of the invention.

10027872-13104

Figure 59 is a cross-sectional view of a wall panel assembly according to yet another preferred embodiment of the invention.

5 Figure 60 is an exploded view of a door panel assembly according to a preferred embodiment of the invention.

Figure 61 is a partial sectional perspective view of the door assembly shown in Figure 60.

10 Figure 62 is a cross-sectional view of the wall assembly shown in Figure 61.

Figure 63 is a cross-sectional view of the door bumper shown in Figure 62.

15 Figure 64 is a cross-sectional view of the door strike shown in Figure 62.

Figure 65 is a perspective view of the door pivot shown in Figure 60.

20 Figure 66 is a perspective view of the top pivot bushing shown in Figure 60.

Figure 67 is a cross-sectional view of a vertical post according to yet another preferred embodiment of the invention, said vertical post being shown with an opening filler strip mounted into the interseptum of the vertical post.

25 Figure 68 is a perspective view of an assembled wall panel system according to a preferred embodiment of the invention, said assembled wall panel system being shown with glass panels and a door assembly such as the one of Figure 60.

30

Detailed description of preferred embodiments of the invention

In the following description, the same numerical references refer to similar elements. The embodiments shown in the figures are preferred only.

5

Moreover, although the present invention as exemplified hereinafter was primarily designed for wall systems, it could be used with other objects and for other purposes, such as with furniture applications, for example, as apparent to a person skilled in the art. For this reason, expressions such as "wall" and any
10 other references and/or other expressions equivalent thereto should not be taken as to limit the scope of the present invention and include all other objects and all other applications with which the present invention could be used and may be useful.

15 Similarly, expressions such as "wall" and "panel", as well as any mutually equivalent expressions and/or compound words thereof, may be used interchangeably in the context of the present description. The same applies for any other mutually equivalent expressions, such as "covering" and "shell" and "screw" and "bolt" for example, as also apparent to a person skilled in the art.

20

In addition, although the preferred embodiment of the wall panel system 1 as disclosed hereinafter comprises various components such as intermediate stiffeners 47, gaskets, connecting studs 21, transition channels 9, 11, glide assemblies 25, solid panels 3, glass panels 3, stackable flyovers 81, etc., which
25 are useful and present several substantial advantages, not all of these components are essential to the invention and thus should not be taken in their restrictive sense, i.e. should not be taken as to limit the scope of the present invention. It is to be understood, as also apparent to a person skilled in the art, that other suitable components and cooperations thereinbetween may be used
30 for the wall panel system 1 according to the present invention, as will be explained hereinafter, without departing from the scope of the invention.

5 Broadly described, the wall panel system 1 according to the preferred embodiment of the invention as it is illustrated in the accompanying drawings, is a wall panel system 1 comprising a plurality of panels 3 used for defining an office space. Each panel 3 has a vertical axis 5 and a horizontal axis 7. Each panel 3
10 has opposite top and bottom distance channels 9, 11, opposite left and right vertical posts 13, a panel covering 15, a ceiling rail 17, and an articulating floor channel 19. The top and bottom distance channels 9, 11 extend along a direction substantially parallel to the horizontal axis 7 of the panel 3. The left and right vertical posts 13 extend along a direction substantially parallel to the vertical axis
15 5 of the panel 3. The distance channels 9, 11 and vertical posts 13 are affixed to one another by means of connecting studs 21 so as to form a rectangular support frame 23 of the panel 3. The panel covering 15 is removably mountable onto receiving means of the rectangular support frame 23. The ceiling rail 17 is operatively connected to a top portion of the rectangular support frame 23 and is
20 used for operatively securing the rectangular support frame 23 of the panel 3 to a ceiling surface. The articulating floor channel 19 is operatively connected to a bottom portion of the rectangular support frame 23 by means of left and right glide assemblies 25 mounted into receiving channels 27 of the left and right vertical posts 13 respectively. The articulating floor channel 19 is used for
25 operatively securing the rectangular support frame 23 of the panel 3 to a ground surface. The glide assemblies 25 are also used for displacing the rectangular support frame 23 with respect to the floor channel 19 along a direction substantially parallel to the vertical axis 5 of the panel 3. Each vertical post 13 has at least one receiving lip 29 extending along a direction substantially parallel
30 to the vertical axis 5 of the panel 3. Each receiving lip 29 is removable connectable to another receiving lip 29 of a vertical post 13 of a neighboring panel 3 by means of a connector 31 for selectively and removably connecting together a plurality of panels 3 in order to define the office space. By virtue of its design and its components, the present wall panel system 1 is a moveable non-
progressive mountable and demountable wall panel system 1.

"OFFICE" PANEL

Preferably, the receiving means comprise receiving grooves 33 disposed along the vertical posts 13 in a direction substantially parallel to the vertical axis 5 of the panel 3 and the panel covering 15 comprises an outer panel shell 35 and vertical stiffeners 37, the vertical stiffeners 37 being securely affixed to lateral sides of the outer panel shell 35 of the panel covering 15 and being removably connectable onto the receiving grooves 33 of the vertical posts 13 for removably connecting the panel covering 15 onto the rectangular support frame 23 of the panel 3, as better shown in Figures 1, 3, 4, 7 and 12.

Preferably, the receiving means comprise a receiving groove 39 disposed along the top distance channel 9 in a direction substantially parallel to the horizontal axis 7 of the panel 3 and the panel covering 15 comprises an outer panel shell 35 and a top stiffener 41, the top stiffener 41 being securely affixed to a lateral side of the outer panel shell 35 of the panel covering 15 and being removably hookable onto the receiving groove 39 of the top distance channel 9 for removably hooking the panel covering 15 onto the rectangular support frame 23 of the panel 3, as better shown in Figures 1, 3, 4, and 7.

Preferably, the vertical stiffeners 37 each comprise a bracket 43 and a flexible clip 45 securely affixed onto one another, the brackets 43 being further securely affixed to the lateral sides of the outer panel shell 35 of the panel covering 15 and the flexible clips 45 being removably connectable into the receiving grooves 33 of the vertical posts 13, as better shown in Figures 25-27.

Preferably, the panel covering 15 comprises an outer panel shell 35 and intermediate stiffeners 47, the intermediate stiffeners 47 being securely affixed transversely onto the outer panel shell 35 of the panel covering 15 in a direction substantially parallel to the horizontal axis 7 of the panel 3, as better shown in Figures 1, 3 and 4.

Preferably, the connectors 31 may comprise fins 49, may comprise flexible skirts 50, and may be provided with covering caps 51, as better shown in Figures

7 and 27-35. The connectors 31 are preferably shaped and sized to provide proper sound proofing, light proofing and vibration proofing to the wall panel system 1.

5 Preferably, the floor channel 19 is securely affixed to the ground surface by means of fasteners, and the ceiling rail 17 is securely affixed to the ceiling surface by means of fasteners, as better shown in Figures 21 and 22.

10 Preferably, each glide assembly 25 comprises a substantially L-shaped glide 53 and a glide bolt 55. The substantially L-shaped glide 53 preferably has an abutment flange 57 and an insert 59, the insert 59 being removably insertable into a receiving channel 27 of a corresponding vertical post 13. Preferably also, the glide bolt 55 is threadedly mounted into the abutment flange 57 of the glide 53 and has a pivot head 61 articulately mounted to the floor channel 19 by means of
15 a rivet 63, as better shown in Figures 10-12 and 23.

20 Preferably also, the pivot head 61 of the glide bolt 55 is positioned inside a longitudinal groove 65 of the floor channel 19, and the rivet 63 of the pivot head 61 is constrained to slide along a transversal slot 67 of the longitudinal groove 65 of the floor channel 19, as better shown in Figure 12. The insert 59 of the glide 53 preferably comprises two tongues 69 removably mountable into respective receiving channels 27 of a corresponding vertical post 13, as better shown in
25 Figures 11, 12 and 24.

30 Preferably, the wall panel system 1 further comprises a base cover 71 and the base cover 71 preferably comprises a base cover insert 73 for removably mounting the base cover 71 onto the floor channel 19 of the panel 3, as better shown in Figures 3, 10-12, and 23.

35 Preferably also, at least two connecting studs 21 are respectively and securely affixed at opposite ends of each of the top and bottom distance channels 9, 11, as better shown in Figures 1, 2, 10, 11, 15 and 16.

Preferably, each distance channel 9, 11 and each vertical post 13 comprise at least one interseptum 79, so that accessories of the panel system 1 can be removably mounted onto said intersepta 79, as shown in several of the accompanying drawings.

Preferably, each panel 3 is stackable onto another panel 3 by means of stackable flyovers 81 inserted and fastened into the receiving channels 27 of the vertical posts 13 of the stacked panels 3, as better shown in Figures 13, 14, 17 and 18. Preferably also, the stackable flyovers 81 comprise interference ribs 83, as better shown in Figure 19.

Preferably, the vertical posts 13 may comprise punched marks 85 extending longitudinally along the vertical posts 13, the punched marks 85 being used for hooking accessories onto the vertical posts 13 of the panel system 1, as better shown in Figure 20.

Preferably also, the moveable and demountable wall panel system 1 according to the present invention may also comprise a door assembly 87, as better shown in Figures 60-67.

Referring now to Figure 1, there is shown an exploded perspective view of a solid wall panel 3 according to a preferred embodiment of the invention. As can be seen, the wall panel 3 preferably comprises two vertical members, known as "vertical posts" 13, which are connected to two horizontal members, known as "distance channels" 9, 11. The left and right vertical posts 13 are connected to the top and bottom distance channels 9, 11 to form a rectangular structural support frame 23. The vertical posts 13 are preferably connected to the distance channels 9, 11 by appropriate fasteners drilled into the sides of the vertical posts 13 and inserted into corresponding connecting studs 21 which are preferably securely affixed to the respective distance channels 9, 11, as better shown in Figures 1 and 2. The solid wall panel 3 preferably comprises also an outer panel

covering 15 which is removably mounted onto the rectangular support frame 23 formed by the vertical posts 13 and the distance channels 9, 11. The outer panel covering 15 preferably comprises an outer panel shell 35, vertical stiffeners 37 securely mounted to the outer panel shell 35 for allowing the same to be
5 removably fastened onto receiving grooves 33 of the vertical posts 13 of the panel 3, and intermediate and top and bottom stiffeners 41, 42, 47 mounted transversely to the outer panel shell 35. The intermediate stiffeners 47 are primarily used for providing the outer panel shell 35 with structural rigidity whereas the top stiffener 41 may be used for hooking and sustaining the outer
10 panel shell 35 onto a corresponding receiving groove 39 of the top distance channel 9. Although the bottom stiffener 42 is preferably not hooked onto a similar groove 39 of the bottom distance channel 11, it nevertheless rests thereagainst so as to ensure proper positioning of the outer panel covering 15 with respect to the bottom distance channel 11, as better shown in Figure 8.

15 As also shown in Figure 1, the wall panel 3 preferably also comprises a floor channel 19 which is destined to be securely affixed to the ground floor by means of suitable fasteners, such as carpet grippers for example. The wall panel 3 preferably also comprises left and right glide assemblies 25 for adjusting
20 vertical positioning of the rectangular support frame 23 with respect to the articulating floor channel 19. Preferably also, the wall panel 3 comprises connectors 31 for connecting two neighboring vertical posts 13 and thus adjoining two vertical wall panels 3 together. As better shown in Figure 21, the top portion of the vertical post 13 is preferably notched to allow the guiding rail 17 to pass
25 therethrough. As it can be easily understood, once an appropriate wall panel 3 is assembled, it may be installed into the ceiling rail 17 at an angle and then swiveled towards the vertical axis 5 in order to properly secure the articulating floor channel 19 to the ground floor and then adjust positioning of the rectangular support frame 23 with respect to the ceiling rail 17 by means of the glide
30 assemblies 25. Once the wall panel 3 is properly positioned in a vertical upright position, it is preferably provided with a base cover 71 so as to conceal the floor channel 19, the bottom distance channel 11 and the glide assemblies 25. The

connectors 31, panel coverings 15, and base covers 71 are preferably shaped and sized so as to provide to the wall panel system 1 with a very sleek and clean look, as shown in the accompanying drawings.

5 Referring now to Figure 2, there is shown an exploded perspective view of a glass wall panel 3 according to a preferred embodiment of the invention. Similarly to the wall panel 3 shown in Figure 1, the glass panel 3 shown in Figure 2 comprises left and right vertical posts 13, top and bottom distance channels 9, 11, a floor channel 19 and glide assemblies 25. Once again, the vertical posts 13 and the distance channels 9, 11 are connected to one another so as to form a rectangular support frame 23 and the glide assemblies 25 cooperate with such rectangular support frame 23 so as to be able to displace it vertically in order to adjust the positioning of the wall panel 3 with respect to the ceiling. As shown in Figure 2, a glass panel 3 is inserted into respective grooves of the vertical posts 13 and distance channels 9, 11, these grooves are commonly known as "interseptum" 79, or "intersepta" (plural). Preferably, appropriate glazing gaskets are used between these grooves and the glass panels 3 so as to provide the wall panel 3 with appropriate sound proofing, light proofing and vibration proofing. The glass panel 3 also preferably comprises a floor channel 19 which is devised to be securely affixed to the ground floor and also preferably comprises a base cover 71 with functions similar to the ones described for Figure 1. Similarly to the above-mentioned, the vertical posts 13 are connected to the horizontal distance channels 9, 11 by appropriate fasteners which are inserted into the side portions of the vertical posts 13 and into corresponding connecting studs 21 which are preferably securely affixed to the top and bottom distance channels 9, 11, as explained and illustrated hereinabove.

As better shown in Figure 3, the intermediate stiffeners 47 are devised to be securely affixed onto the outer panel shell 35 in order to, among other things, provide the same with increased rigidity. Preferably also, the top stiffener 41 is to be securely affixed to a top lateral side of the outer panel shell 35 and is to be used for hooking the outer panel covering 15 onto a corresponding groove 39

provided to that effect on the top distance channel 11 of the panel 3. As also shown, the horizontal bottom stiffener 42 is intended to be securely affixed to the bottom portion of the outer panel shell 35 and to cooperate with the bottom distance channel 11 in the preferred manner better illustrated in Figure 9. As better shown in Figure 3, the outer panel covering 15 of a solid panel 3 preferably comprises an outer panel shell 35, intermediate stiffeners 47, top and bottom stiffeners 41, 42, and vertical stiffeners 37. As mentioned hereinabove, the vertical stiffeners 37 are preferably securely affixed to the outer panel shell 35 along the left and right internal sides thereof and are intended primarily to removably fasten the outer panel covering 15 onto the corresponding receiving grooves 33 of the vertical posts 13 of the panel 3, as better shown in Figure 1.

Referring now to Figure 7, there is shown a partial sectional exploded view of some of the components of the wall panel 3 shown in Figure 1. More particularly, there is shown a cross-sectional configuration of the top distance channel 9 according to a preferred embodiment of the invention. Indeed, the distance channel 9 comprises grooves 33 for removably receiving optional horizontal stiffeners (not shown) of the outer panel coverings 15. The distance channel 9 also preferably comprises a corresponding groove 39 for receiving a top stiffener 41 of the outer panel covering 15. Preferably also, the distance channel 9 also comprises a longitudinal interseptum 79 for receiving different modular components of the wall panel system 1, such as a glass panel 3, as in the case of Figure 2. It is worth mentioning here that other shaped and sized intersepta 79 may be used for mounting different accessories thereon, such as blinds for example. As also shown in Figure 7, two vertical posts 13 are preferably adjoined to one another so as to connect two neighboring wall panels 3 by means of a connector 31 which may or may not be provided with a covering cap 51. The covering cap 51 of the connector 31 is preferably selected to match the outer surface of the outer panel covering 15 (i.e. the outer panel shell 35). It is worth mentioning that different finishes and textures may be used for the covering cap 51 of the connector 31 as well as for the outer panel shell 35 of the panel covering 15, depending on the particulars of a user of the wall panel system 1, as

apparent to a person skilled in the art. For example, the covering cap 51 and the outer panel shell 35 may have a wood finish, a metallic finish, an upholstery finish, etc., and may be similar to one another or different from each other, depending on the particular wants and needs of a user of the wall panel system 1. Advantageously, because all of the above-mentioned components of the wall panel system 1 are removably mountable and demountable onto the wall panel 3, one may mix and match different configurations, as need may be.

Referring now to Figure 10, there is shown a partial sectional perspective view of some of the components of the wall panel 3 shown in Figure 1. As illustrated in this figure, and as can be easily understood, the glide assemblies 25 enable to adjust vertically the rectangular structural support frame 23 formed by the vertical posts 13 and horizontal top and bottom distance channels 9, 11 with respect to the floor channel 19, and consequently with respect to the ceiling, or the ceiling rail 17 which is preferably affixed thereto according to the present invention. Caddy™ clips are preferably used for affixing the ceiling rail 17 to the ceiling surface, although other suitable fasteners may be used, as apparent to a person skilled in the art.

As better shown in Figures 11 and 12, the glide assemblies 25 preferably comprise a glide bolt 55, a glide 53, and a fastener. The glide 53 preferably comprises two tongues 69 which are insertable into corresponding grooves 33 of the vertical posts 13 and an abutment flange 57 which preferably extends perpendicularly with respect to the tongues 69 so as to form an abutment with the vertical post 13, as better shown in Figure 12. The abutment flange 57 is preferably threadedly mounted onto the glide bolt 55 so as to enable a relative movement between the glide 53 and the glide bolt 55 by rotation of the glide bolt 55. Preferably, as also shown in Figures 11 and 12, the glide bolt 55 preferably comprises a pivot head 61 which is operatively connected to the floor channel 19 by means of a suitable fastener, the latter guiding the sliding of the glide bolt 55 along a corresponding slot 67 of the floor channel 19, as better shown in Figure 12. Preferably also, the fastener connecting the glide bolt 55 to the floor channel

19 is a rivet 63, although other suitable means may be used, as apparent to a person skilled in the art. Preferably also and as better shown in Figure 23, the glide bolt 55 has a square cross-sectional portion so as to facilitate rotation thereof by suitable means, such as a conventional wrench for example.

5

As can be easily understood, since the floor channel 19 is securely affixed to the floor, when the glide 53 is moved with respect to the glide bolt 55 vertically, then so will the vertical post 13 with respect to the floor because of the abutment of the flange 57 against the bottom portion of the vertical post 13, as better shown in Figure 12.

10

Figure 11 also shows how the connecting stud 21 is preferably securely affixed to the bottom distance channel 11.

15

Referring now to Figures 13-19, and particularly to Figure 13, there is shown a perspective view of a stackable flyover 81 cooperating with two vertical posts 13 of two wall panels 3 intended to be stacked onto one another. As can be easily understood, the stackable flyover 81 is used to connect adjoining vertical posts 13, i.e. stacked them together, so as to enable to stack wall panels 3 onto one another. Among many other functions, the stackable flyover 81 is intended to impart to the vertical posts 13 with a sound structural integrity, as well as to provide both wall panels 3 stacked together with sound structural stability. The stackable flyover 81 is preferably devised to be snugly inserted into the receiving channels 33 of the vertical posts 13 so as to enable quick and easy assembling of the same, by light taping for example. Preferably also, the stackable flyover 81 is made of a suitable material, so as to not allow jigger and so as to sustain the loads of the vertical posts 13 connected thereto, as apparent to a person skilled in the art.

20

25

30

According to the preferred embodiment of the invention, holes are drilled through the assembled vertical posts 13 and through the stackable flyovers 81 at predetermined ranges, as better shown in Figure 14, and then suitable

connecting fasteners are preferably passed therethrough, and into the connecting studs 21, as can be inferred from in Figures 1 and 2, so as to hold the entire wall panel, formed of stacked panels 3, together. Therefore, the vertical posts 13 are operatively connected to the connecting studs 21 of the horizontal distance channels 9, 11, whether simple or transition distance channels 9, 11, by means of the stackable flyovers 81 and appropriate connecting fasteners, as apparent to a person skilled in the art.

Preferably, the connecting stud 21 is a threaded metal receptacle that allows the connecting fasteners, such as screws for example, to be affixed to the distance channels 9, 11.

As can be easily understood, by inserting the connecting screws into the connecting studs 21, one is able to align both stackable panels 3 and keep them in position with respect to one another.

As better shown in Figures 13, 14 and 17, the vertical post 13 preferably comprises a receiving groove 33 for receiving the vertical stiffeners 37 of the panel coverings 15. Preferably, these receiving grooves 33 are a half-round arc of about 270° sweep. The vertical post 13 also preferably comprises a longitudinal groove, known as an "interseptum" 79 and panel-to-panel receiving lips 29, said panel-to-panel receiving lips 29 being used for receiving the panel-to-panel connectors 31, as explained hereinabove. Preferably, the receiving lips 29 and the connectors 31 are preferably devised to be removably insertable and connectable onto one another.

In general, the vertical post 13 is one of the main vertical structural members of the wall panel support frame 23 and as a result thereof, may also be provided with punch marks 85, as shown in Figure 20, to receive slotted standards that could be used to hold shelf brackets or even hang other suitable accessories, such as overhead cabinets for example, as apparent to a person skilled in the art.

Preferably, as better shown in Figure 19, the stackable flyover 81 comprises interference ribs 83 which are used to decrease to an appropriate extent surface contact between the stackable flyover 81 and the corresponding receiving channels 33 of the vertical posts 13 so as to ensure a proper cooperation between the latter two.

Referring now to Figures 21 and 22, one can see a preferred embodiment of the ceiling rail 17 according to the present invention. As better shown in Figure 21, the ceiling rail 17 is preferably connected to the ceiling by means of suitable fasteners, such as caddyTM clips for example, and is preferably provided with a closed cell gasket to ensure once again, sound proofing, light proofing, and vibration proofing of the wall panel system 1. The ceiling rail 17 has two projecting members which are preferably designed to be inserted into corresponding notched grooves of the vertical posts 13, and into the inside of the top distance channel 9. The ceiling rail 17 is preferably provided with oblong orifices provided at appropriate locations along the rail 17 so as to properly fasten the rail 17 to the ceiling surface, as apparent to a person skilled in the art.

Referring now to Figure 23, there is shown a sectional view of the glide 53, glide bolt 55, articulating floor channel 19, and base cover 71 of the wall panel 3 shown in Figure 1. As explained hereinabove, the glide 53 of the glide assembly 25 preferably comprises two tongues 69 which are to be inserted into corresponding receiving channels 33 of the vertical posts 13 and preferably also comprises an abutment flange 57 for sustaining the vertical post 13 into which the tongues 69 have been inserted. Preferably also, the glide bolt 55 is provided with an appropriate threading therealong so that the glide 53 may be threadedly engaged with the same so as to ensure proper relative displacement between the two. Preferably also, the glide bolt 55 comprises a pivot head 61 which is connected to a corresponding groove 65 of the floor channel 19 by means of a fastener, such as a rivet 63 for example. The pivot head and rivet assembly of the glide bolt 55 enable the same to rotate about the groove 65 of the floor channel

19 along a slot 67 provided to that effect, as better shown in Figure 12. Preferably also, the glide bolt 55 is provided with a square cross-sectional section so as to enable suitable rotating means, such as a ratchet or a wrench for example, to rotate the glide bolt 55 so as to displace the glide 53 with respect to the glide bolt 55, as apparent to a person skilled in the art. By doing so, since the glide 53 is in an abutment relationship with the vertical post 13, one may adjust vertical displacement of the wall panel 3 with respect to the ceiling and/or ground floor by appropriately turning the glide bolt 55 with respect to the glide 53 of the glide assembly 25. Preferably, as also shown in Figure 3, the wall panel 3 comprises a base cover 71 which comprises a covering, and a cover insert 77 which is preferably removably connectable to the covering, so as to define a slit enabling sliding of the base cover 71 onto a projecting member of the floor channel 19. Preferably, suitable foam tapes are provided between the floor channel 19 and the ground in order to further provide the wall panel system 1 with light proofing, sound proofing, and vibration proofing.

Referring now to Figure 25, there is shown a partial sectional view of two panel coverings 15 mounted onto a vertical post 13 by means of vertical stiffeners 37. As shown in this figure, the outer panel coverings 15 are preferably mounted to the vertical post 13 by means of vertical stiffeners 37, which are intended to be removably mountable into corresponding grooves 33 of the vertical posts 13. As better shown in Figure 26, the vertical stiffeners 37 preferably comprise a bracket 43 which is intended to be securely affixed to the outer panel shell 35 of the panel covering 15 and further comprise a flexible clip 45 which is removably insertable into the corresponding grooves 33 shown in Figure 25. The vertical clip 45 according to the preferred embodiment shown in Figure 26 is advantageous in that it offers a circular configuration and comprises two compressible wings which enable the panel coverings 15 to be mounted onto the vertical posts 13 with a certain slack and play.

Figure 27 is a partial cross-sectional view of a wall assembly according to a preferred embodiment of the invention. Figure 27 shows two vertical posts 13

which are connected to one another by means of connectors 31. Furthermore, panel coverings 15 are mounted onto the vertical posts 13 by means of their vertical stiffeners 37. Furthermore, according to this particular embodiment of the invention, the connectors 31 are preferably devised to ensure a flush surface with the outer panel shells 35 of the panel coverings 15.

As better shown in Figure 29, the flush connector 31 which is used to connect two neighboring vertical posts 13, such as in the case of Figures 27 and 28, preferably comprises a connecting portion 89, and a covering cap 51. The connecting portion 89 is preferably made of a suitable material, such as PVC for example, and preferably comprises fins 49 which are intended to further increase gripping and mounting of the connector 31 onto the receiving lips 29 of the vertical posts 13, and to further increase sound proofing, light proofing, and vibration proofing of the wall panel system 1. The different components of the connecting portion 89 are preferably made integral to each other, that is are preferably made into one single piece from one single material. Preferably also, the covering cap 51 of the connector 31 is preferably connected to the connecting portion 89 by suitable means, as apparent to a person skilled in the art.

Figure 30 illustrates a recessed connector 31 which may be used to adjoin neighboring vertical posts 13, similarly to the connector 31 shown in Figure 29, while enabling a recessed cavity between two neighboring vertical posts 13. Indeed, it is worth mentioning here that different types of connectors 31, such as the one shown in Figures 29 and 30, may be used to provided the outer part of the wall panel system 1 with different esthetic configurations.

Figure 32 shows a preferred embodiment of a building module connector 31 allowing adjacent 90° corners to be connected in a non-progressive manner, such as in the case of Figure 31.

Figures 33 to 59 illustrate different embodiments of the components discussed hereinabove.

More particularly, Figures 33 and 34 describe embodiments used for a furniture module connection in the case of a 90° corner. A furniture module connector 31 such as the one in Figure 35, may be used. This type of connector
5 31 preferably comprises fins 49 for ensuring proper mounting of the connector 31 onto the receiving lips 29 of the different vertical posts 13 and also preferably comprises a flexible skirt 50 to ensure light proofing, sound proofing, and to some extent, vibration proofing, as apparent to a person skilled in the art.

10 Figure 37 illustrates a double glazing gasket to be used in different possible wall assemblies, such as the one illustrated in Figure 36, which corresponds to a double glaze vertical post assembly.

15 Figure 38 shows another wall assembly comprising a center cap which is mounted onto the interseptum 79 of the vertical post 13 to provide a smooth finish between two glass panels 3 of a double glaze condition wall panel 3.

A single glazing gasket such as the one shown in Figure 40 may be used for a glass panel 3 such as the one illustrated in Figure 2.

20 Figure 41 illustrates a two-way square profile of a furniture module according to a preferred embodiment of the invention. Figure 42 illustrates a 180° post furniture module according to a preferred embodiment of the invention. Figure 43 illustrates a half-round two-way post corner furniture module according to a preferred embodiment of the invention. Figures 44 and 45 illustrate
25 respectively three-way corner and four-way corner furniture modules.

30 Figures 46 to 59 illustrate different cross-sectional embodiments of the above-discussed various components of the wall panel system 1 according to the present invention. Indeed, Figure 46 illustrates a glass vertical post 13. Figure 47 shows a vertical post 13 mounted with a weatherstrip holder 91. Figure 48 illustrates a solid panel vertical post 13. Figure 49 illustrates a corner profile

building module. Figure 50 illustrates a 135° corner post 13. Figure 51 illustrates a glass-glass transition distance channel 9, 11 comprising a connecting stud 21. Figure 52 illustrates a glass-solid transition distance channel 9, 11. Figure 53 illustrates a double glaze distance channel 9, 11. Figure 54 illustrates another double glaze distance channel 9, 11. Figure 55 illustrates a top-bottom distance channel 9, 11 of a glass panel 3. Figure 56 illustrates a top-bottom distance channel 9, 11 of a solid panel 3. Figure 57 illustrates a double glass transition channel 9, 11. Figure 58 illustrates an inner telescopic channel 9, 11 of a wall post 13. Figure 59 illustrates the wall post 13 of Figure 58 cooperating with different components of the panel system 1.

Referring now to Figure 60, there is shown an exploded view of a door assembly 87 according to a preferred embodiment of the invention. Similarly to the wall panels 3 of the wall panel system 1 according to the present invention as explained hereinabove, the door assembly 87 comprises vertical posts 13 and a top distance channel 9. The door assembly 87 preferably further comprises left and right center strikes 93, suitable bumpers 95, a top door pivot 97, a bottom door pivot 99, a bottom pivot plate 101, and a bottom pivot base 103. As better shown in Figure 61 and 62, the center strikes 93 are preferably mounted to the vertical posts 13 by means of projecting members which are removably insertable into the intersepta 79 of the vertical posts 13, as better shown in Figure 62. The center strikes 93 preferably also each comprise an interseptum 79 onto which may be removably mounted a door bumper 95, such as the one shown in Figure 63, or other components explained herein and illustrated in the accompanying drawings.

Other suitable door strikes 93 and other embodiments of such, may be used, such as the one shown in Figure 64. The bottom pivot plate 101 is preferably inserted into a corresponding recessed cavity of the door 105 and is operatively connected by means of the bottom pivot 99 to the bottom pivot plate 101 which, similarly to the glide 53, comprises corresponding tongues 69 which are removably insertable into the receiving channels 33 of the vertical posts 13.

As better shown in Figure 65, the bottom pivot base 103 preferably comprises an abutment flange 57 having a hole into which a suitable fastener is inserted to connect the pivot base 103 onto the ground floor. The abutment flange 57 of the pivot base 103 is operatively connected to the door 105 by means of the bottom pivot 99 and other suitable connecting means, as apparent to a person skilled in the art.

Figure 66 illustrates a preferred embodiment of the top pivot bushing 107 as used in the door assembly 87 of Figure 60.

Figure 67 illustrates an opening filler strip 109 which may be used to close up the interseptum 79 of the vertical post 13 of the door assembly shown in Figure 60.

Figure 68 is a perspective view of an assembled wall panel system 1 according to a preferred embodiment of the invention, the assembled wall panel system 1 being shown with glass panels 3 and a door assembly 87.

As may now be appreciated, the wall panel system 1 according to the present invention is an improvement over the prior art in that it provides variable sized, pre-fabricated panels 3 available in both furniture and building module, ceiling height (either flush or recessed base and ceiling conditions), clear story and/or free standing options. Furthermore, the present invention is an improvement over the prior art in that the wall thickness of a wall panel 3 is preferably 3 1/2" thus allowing for superior sound rating, as well as passthrough components, i.e. electrical wires, communication and network cables, air conditioning, fiber optic cables, and the like. The present invention is also advantageous in that the outer panel shells 35 are removable by means of specially designed connecting strips, i.e. connectors 31. These connecting strips and the shells 35 are designed in such a way as to achieve on sight demountability. Moreover, they allow for field installation of electrical, communication and fiber optic wires. According to the present invention, the wall

panel system 1 is also advantageous in that the adjustability at the ceiling is preferably ± 1 ". As explained hereinabove, the present invention is also advantageous in that the panels 3 are stackable onto one another. Indeed, the unique splice connector, i.e. flyover 81, allows panels 3 to be stacked on top of each other, thereby allowing the stacked panels 3 to exceed a preferred 120" in height. Furthermore, the panel wall system 1 according to the present invention is also advantageous in that the panel-to-panel connectors 31 gives both the ability to adjust for "panel creep" and, using the flush version, allows the system 1 to be used in "clean room" and fire-rated corridor environments. As explained hereinabove, the vertical and horizontal shapes of the wall panel system 1 are designed so that it can accommodate both single or double glazing, and a variety of blinds and privacy screens. Furthermore, the unique design of the lower glide assembly 25 allows for an adjustability of over a preferred 3". Moreover, the panels 3 may be attached to drywalls by means of a telescopic wall connector 31, as shown in the accompanying drawings. Furthermore, the specially designed glazing posts 13 allow for electrical and communication wiring to be housed inside these posts 13. Additionally, the outer panel shells 35 according to the present invention may be manufactured from a variety of materials, i.e. steel, wood, gypsum, plastic, fiberglass, etc., in a variety of finishes (fabric, vinyl, veneer, paint, laminates, for example). Furthermore, the wall panel system 1 according to the present invention is also advantageous in that it has the capacity to allow for pocket doors, pivot doors, and hinged doors. Furthermore, according to the present invention, there is a minimal number of "loose" components on the job site which allows for an easy and clean installation. Moreover, as explained hereinabove, the present invention is also advantageous in that it also allows for hanging componentry, i.e. worksurfaces, light accessories, and the like.

Of course, numerous modifications can be made to the above-described embodiments without departing from the scope of the invention as described in the appended claims.

What is claimed is:

CLAIMS:

- 5 *Sub* 1. A moveable and demountable wall panel system comprising a plurality of panels used for defining an office space, each panel having a vertical axis and a horizontal axis, each panel comprising:
- opposite top and bottom distance channels, the distance channels extending along directions substantially parallel to the horizontal axis of the panel;
- opposite left and right vertical posts, the vertical posts extending along directions substantially parallel to the vertical axis of the panel, the distance channels and vertical posts being affixed to one another by means of connecting studs for forming a rectangular support frame of the panel;
- 10 a panel covering removably mountable onto receiving means of the rectangular support frame;
- a ceiling rail operatively connected to a top portion of the rectangular support frame, the ceiling rail being used for operatively securing the rectangular support frame of the panel to a ceiling surface; and
- 15 an articulating floor channel operatively connected to a bottom portion of the rectangular support frame by means of left and right glide assemblies mounted into receiving channels of the left and right vertical posts respectively,
- 20 the articulating floor channel being used for operatively securing the rectangular support frame of the panel to a ground surface, the glide assemblies being further used for displacing the rectangular support frame with respect to the floor channel along a direction substantially parallel to the vertical axis of the panel;
- wherein each vertical post comprises at least one receiving lip extending along a direction substantially parallel to the vertical axis of the panel, each receiving lip being removably connectable to another receiving lip of a vertical post of a neighboring panel by means of a connector for selectively and removably connecting together a plurality of panels in order to define said office space.
- 25
- 30
2. A moveable and demountable wall panel system according to claim 1, wherein the receiving means comprise receiving grooves disposed along the

FOOTNOTES

vertical posts in a direction substantially parallel to the vertical axis of the panel and wherein the panel covering comprises an outer panel shell and vertical stiffeners, the vertical stiffeners being securely affixed to lateral sides of the outer panel shell of the panel covering and being removably connectable onto the receiving grooves of the vertical posts for removably connecting the panel covering onto the rectangular support frame of the panel.

3. A moveable and demountable wall panel system according to claim 1, wherein the receiving means comprise a receiving groove disposed along the top distance channel in a direction substantially parallel to the horizontal axis of the panel and wherein the panel covering comprises an outer panel shell and a top stiffener, the top stiffener being securely affixed to a lateral side of the outer panel shell of the panel covering and being removably hookable onto the receiving groove of the top distance channel for removably hooking the panel covering onto the rectangular support frame of the panel.

4. A moveable and demountable wall panel system according to claim 3, wherein the vertical stiffeners each comprise a bracket and a flexible clip securely affixed onto one another, the brackets being further securely affixed to the lateral sides of the outer panel shell of the panel covering and the flexible clips being removably connectable into the receiving grooves of the vertical posts.

5. A moveable and demountable wall panel system according to claim 1, wherein the panel covering comprises an outer panel shell and intermediate stiffeners, the intermediate stiffeners being securely affixed transversely onto the outer panel shell of the panel covering in a direction substantially parallel to the horizontal axis of the panel.

6. A moveable and demountable wall panel system according to claim 1, wherein the connectors comprise fins.

7. A moveable and demountable wall panel system according to claim 1, wherein the connectors are provided with covering caps.

5 8. A moveable and demountable wall panel system according to claim 1, wherein the connectors comprise flexible skirts.

9. A moveable and demountable wall panel system according to claim 1, wherein the floor channel is securely affixed to the ground surface by means of fasteners, and wherein the ceiling rail is securely affixed to the ceiling surface by means of fasteners.

10 10. A moveable and demountable wall panel system according to claim 1, wherein each glide assembly comprises:

15 a substantially L-shaped glide, said glide having an abutment flange and an insert, the insert being removably insertable into a receiving channel of a corresponding vertical post; and

20 a glide bolt, said glide bolt being threadedly mounted into the abutment flange of the glide and having a pivot head articulately mounted to the floor channel by means of a rivet.

25 11. A moveable and demountable wall panel system according to claim 9, wherein the pivot head of the glide bolt is positioned inside a longitudinal groove of the floor channel, and wherein the rivet of the pivot head is constrained to slide along a transversal slot of the longitudinal groove of the floor channel.

12. A moveable and demountable wall panel system according to claim 9, wherein the insert of the glide comprises two tongues removably mountable into respective receiving channels of a corresponding vertical post.

30 13. A moveable and demountable wall panel system according to claim 1, wherein the wall panel system further comprises a base cover.

cont. a1

FOR THE "SECRET"

14. A moveable and demountable wall panel system according to claim 13, wherein the base cover comprises a base cover insert for mounting the base cover onto the floor channel of the panel.

5 15. A moveable and demountable wall panel system according to claim 1, wherein at least two connecting studs are respectively and securely affixed at opposite ends of each of the top and bottom distance channels.

10 16. A moveable and demountable wall panel system according to claim 1, wherein each distance channel and each vertical post comprise at least one interseptum, and wherein accessories of the panel system are removably mounted onto said intersepta.

15 17. A moveable and demountable wall panel system according to claim 1, wherein each panel is stackable onto another panel by means of stackable flyovers inserted and fastened into the receiving channels of the vertical posts of said stacked panels.

20 18. A moveable and demountable wall panel system according to claim 17, wherein the stackable flyovers comprise interference ribs.

25 19. A moveable and demountable wall panel system according to claim 1, wherein the vertical posts comprise punched marks extending longitudinally along said vertical posts, said punched marks being used for hooking accessories onto said vertical posts of the panel system.

30 20. A moveable and demountable wall panel system according to claim 1, wherein the system further comprises a door assembly.

CMF
FOR THE "A" CASE


ABSTRACT

5 A moveable and demountable wall panel system including a plurality of panels ^{each having} ~~used for defining an office space.~~ Each panel has opposite top and bottom distance channels, opposite left and right vertical posts, a panel covering, a ceiling rail, and an articulating floor channel. ~~The top and bottom distance channels extend along a direction substantially parallel to a horizontal axis of the panel.~~ The left and right vertical posts extend along a direction substantially parallel to a vertical axis of the panel. The distance channels and vertical posts are affixed to one another by means of connecting studs in order to form a rectangular support frame of the panel. ~~The panel covering is removably mountable onto receiving means of the rectangular support frame. The ceiling rail is operatively connected to a top portion of the rectangular support frame and is~~

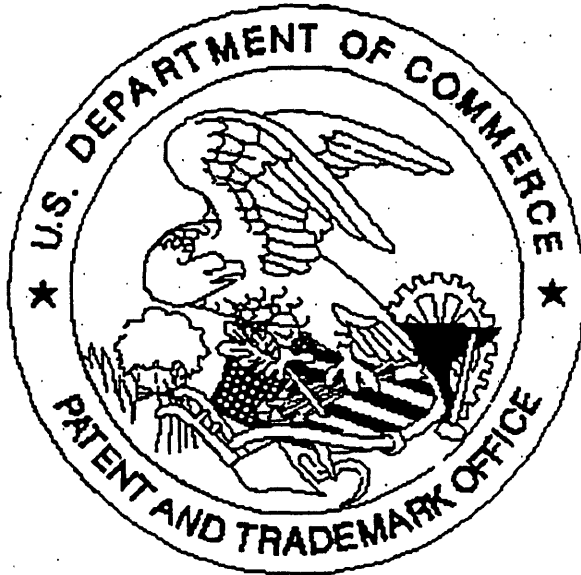
10 ~~used for operatively securing the rectangular support frame of the panel to a ceiling surface.~~ The articulating floor channel is operatively connected to a bottom portion of the rectangular support frame by means of left and right glide assemblies mounted into receiving channels of the left and right vertical posts respectively. The articulating floor channel is used for operatively securing the rectangular support frame of the panel to a ground surface. ~~The glide assemblies are also used for displacing the rectangular support frame with respect to the floor channel along a direction substantially parallel to the vertical axis of the panel.~~ Each vertical post has at least one receiving lip extending along a direction substantially parallel to the vertical axis of the panel. ~~Each receiving lip is~~

15 ~~removable connectable to another receiving lip of a vertical post of a neighboring panel by means of a connector for selectively and removably connecting together a plurality of panels in order to define the office space. By virtue of its design and its components, the present wall panel system is a moveable non-progressive mountable and demountable wall panel system.~~

30

"Express Mail" mailing label number EV 037644953 US
 Date of Deposit 12-21-01
 I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37CFR 1.10 on the date indicated above and is addressed to:
 Assistant Commissioner for Patents, Washington, D.C. 20231.
Chris Sturdahl
 (Printed Name)

 (Signature)

United States Patent & Trademark Office
Office of Initial Patent Examination -- Scanning Division



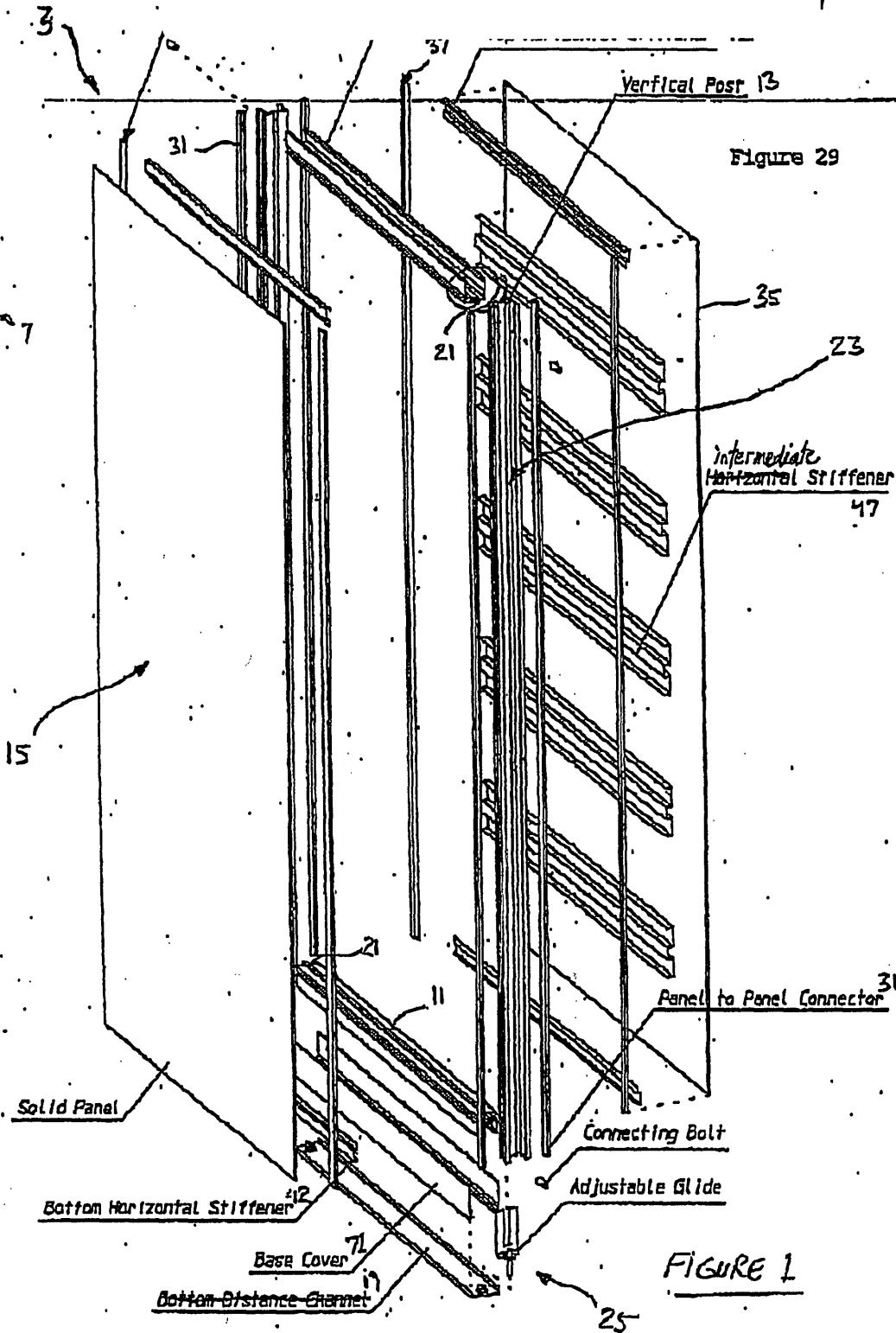
Application deficiencies found during scanning:

Page(s) _____ of _____ were not present
for scanning. (Document title)

Page(s) _____ of _____ were not present
for scanning. (Document title)

Scanned copy is best available. Fig. 21. 60- are too dark

160



EDERHARD VON HUENE & ASSOCIATES <small>244, Allee Vincent Nantes, (France)</small>	TITLE · Genius Wall System Solid Panel · Exploded View	Drawn by <small>JACRE</small>	Approved by <small>DATE Nov 12 2001</small>
	<small>This drawing is the exclusive property of Ederhard von Huene & Associates Inc. Reproduction or transfer of this drawing in whole or in part.</small>	DATE	

Expédit: Leger Robic R:

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 336.4728
Sheet 2 of 60

EX #919; Page 40/98

2/60

DRAWING

FOR REFERENCE

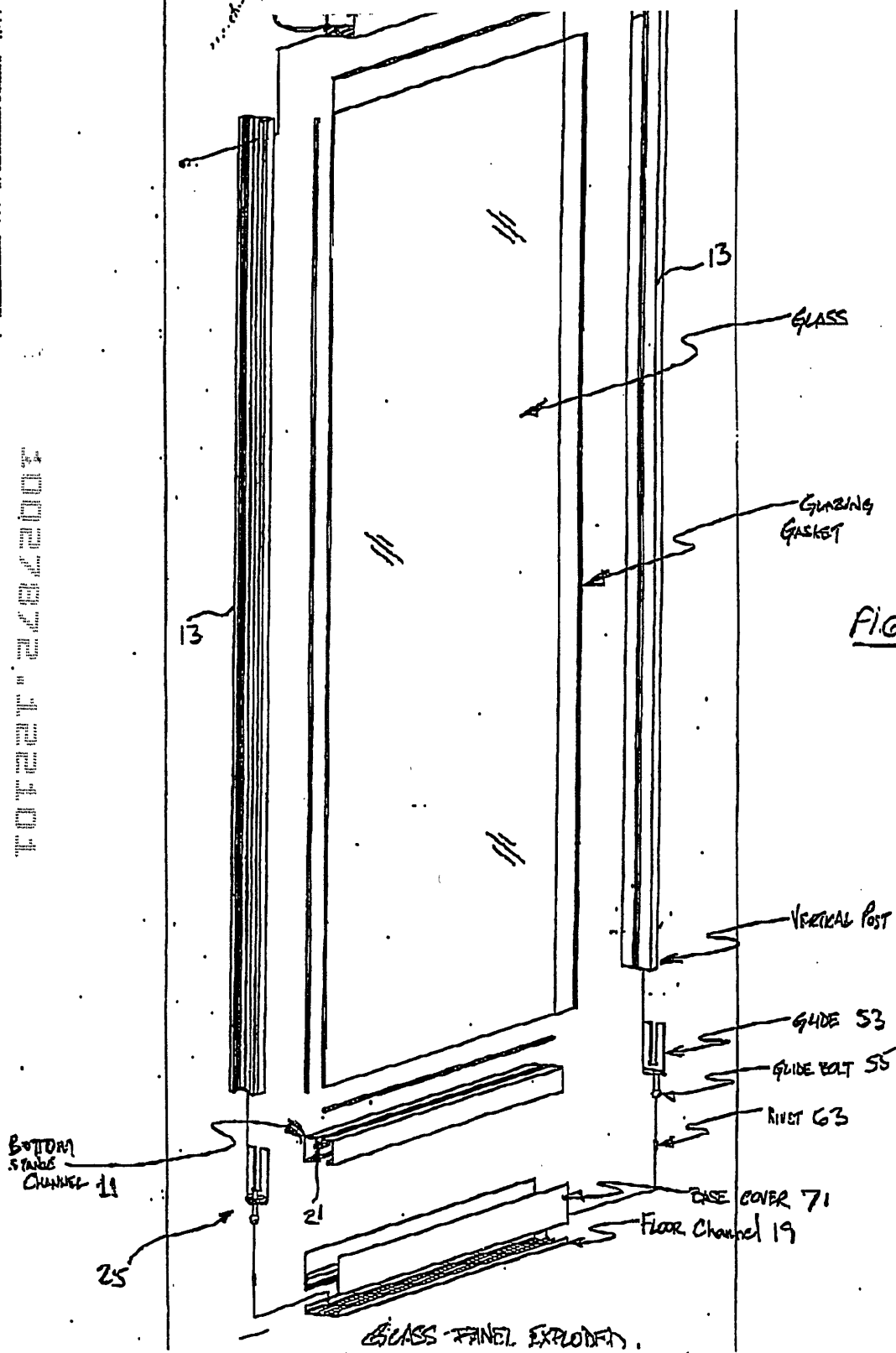


FIGURE 2

Expédit: Leger Roble Richa

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
TITLE: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 3 of 60

#919; Page 41/98

1/60

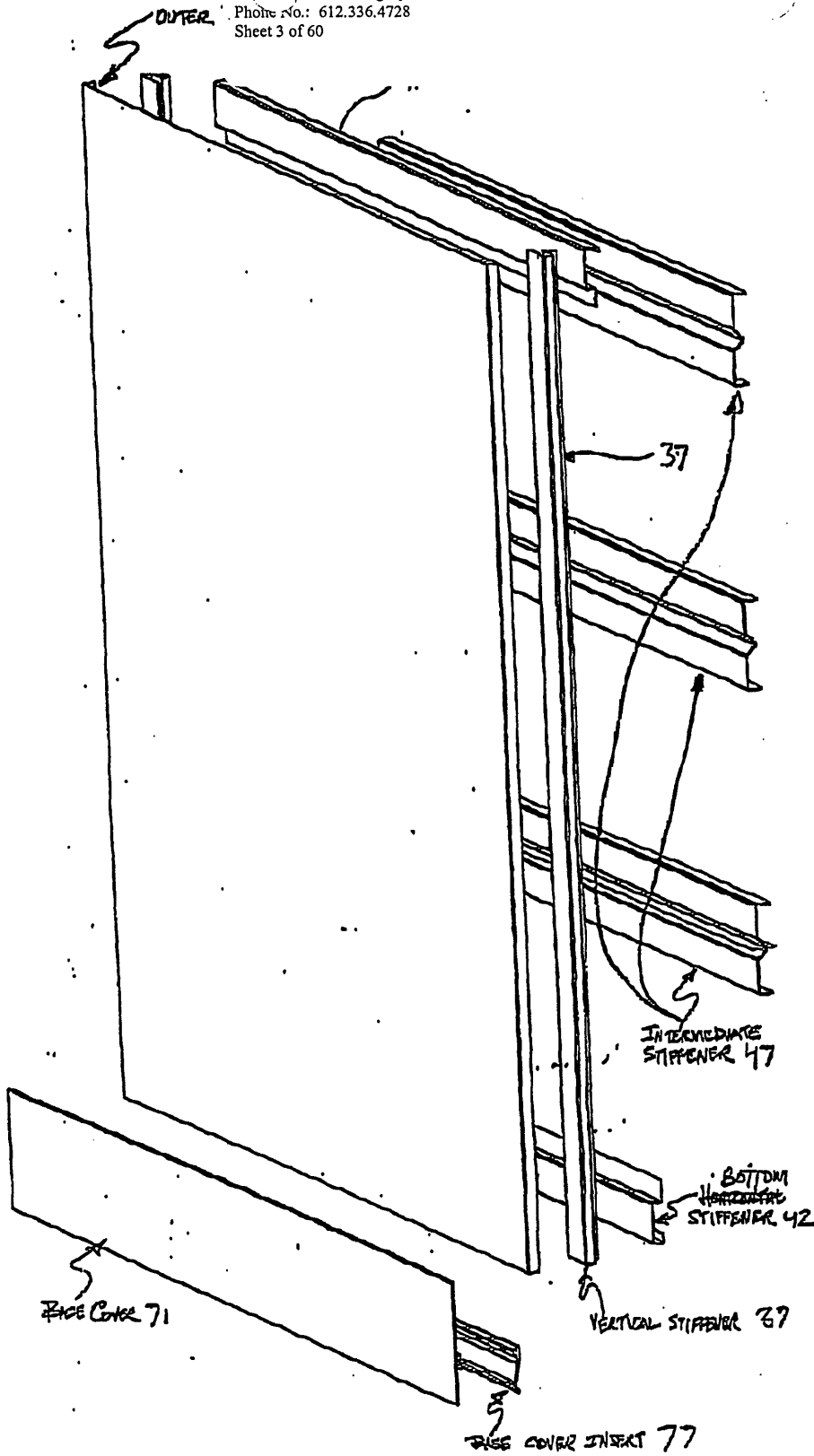


FIGURE 3

3/60

FOR REFERENCE

4/60

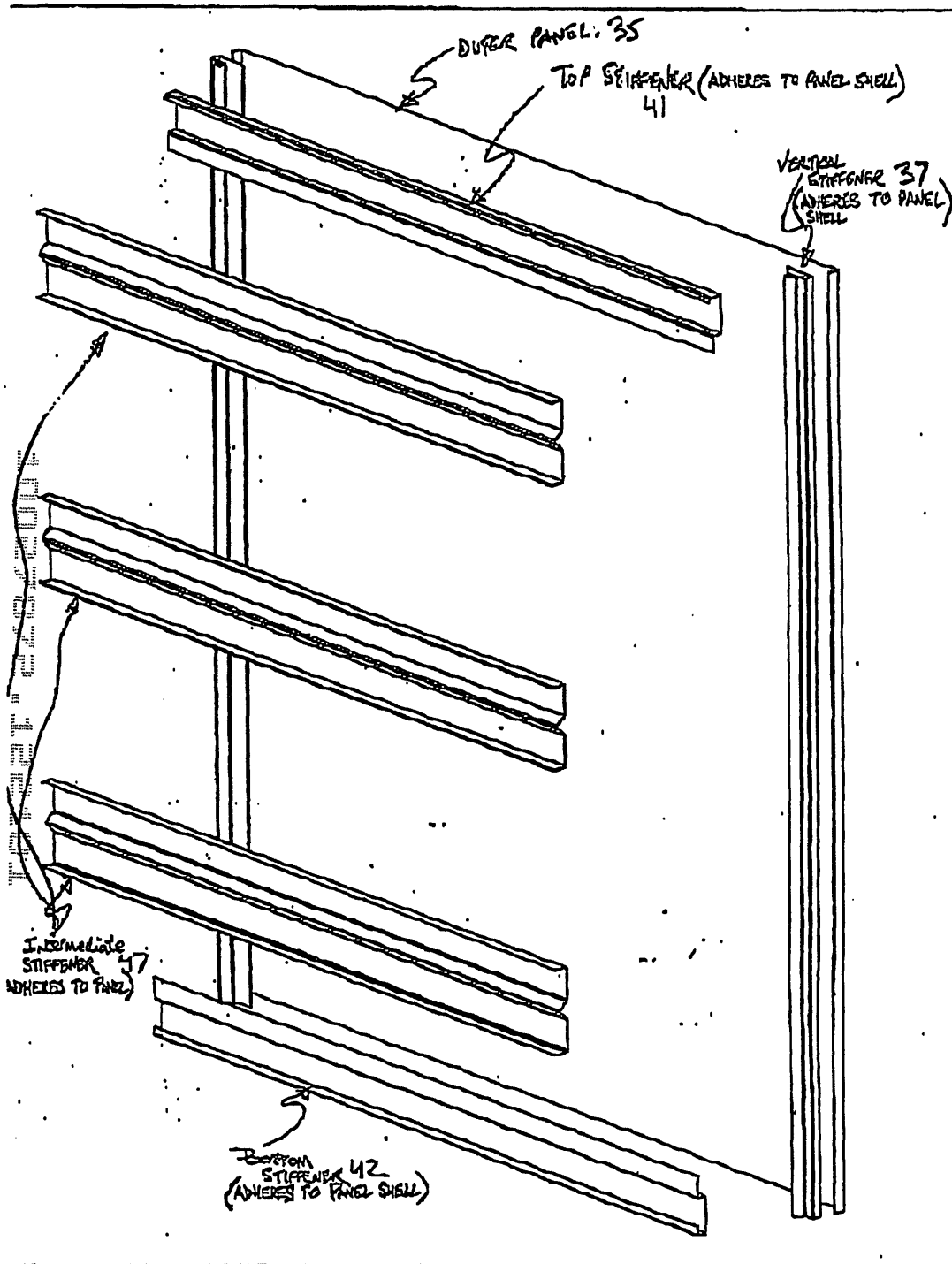
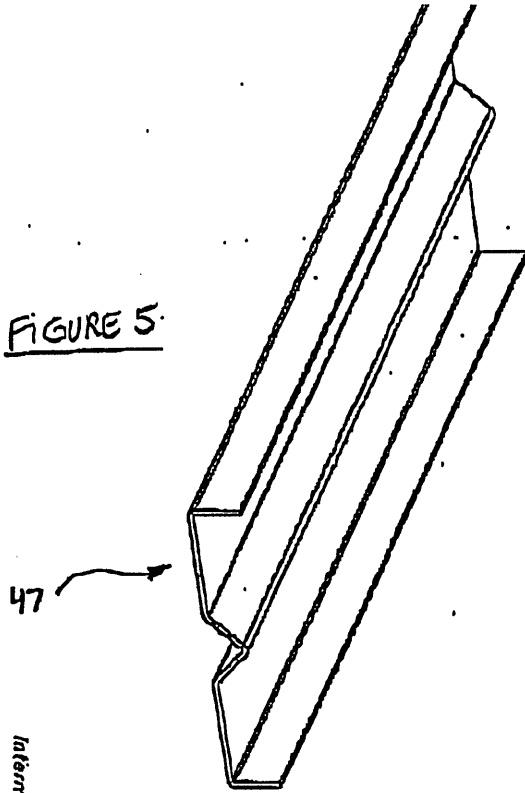


FIGURE 4

Outer Panel Construction

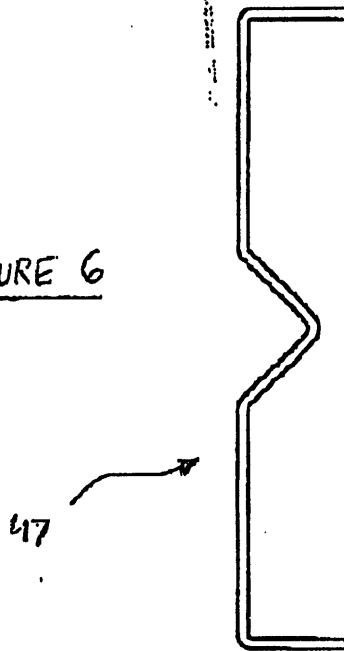
FFF
5/60

FIGURE 5



*Intermediate Stiffener Profile
Solid Panel Shell*

FIGURE 6



10027872-1-23-10-1

Expédit: Leger Rob1

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: [Redacted] A. Sebald
Phone No.: 612-4728
Sheet 6 of 60

JetFax #919; Page 44/98

6/60

DRAWING V

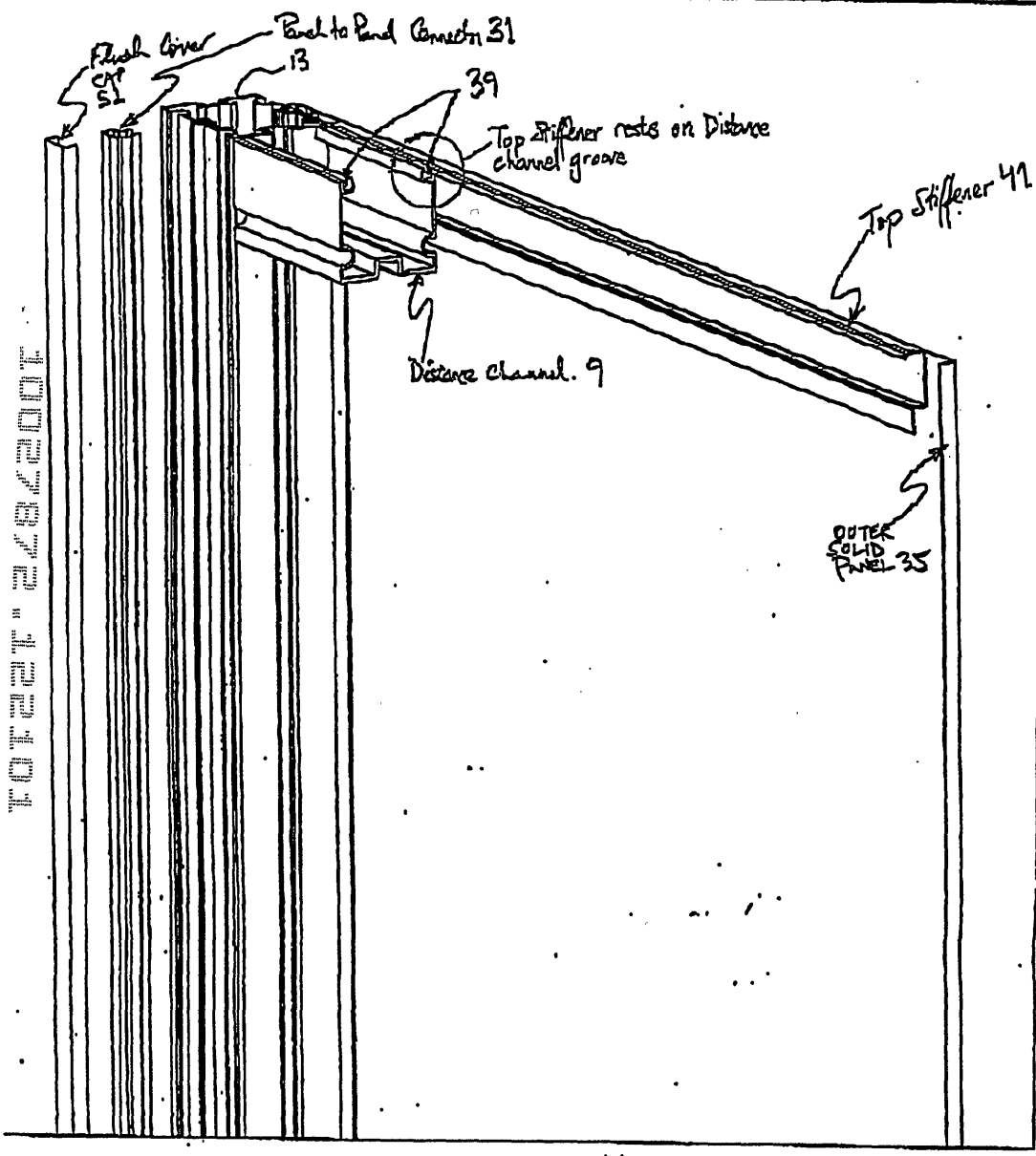


FIGURE 7

*TOP connection
A finish panel.*

TOP LEFT CORNER

TOP SECRET

Expedit: Leger Robic Richar Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
TITLE: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 7 of 60

#919; Page 45/98

7/60

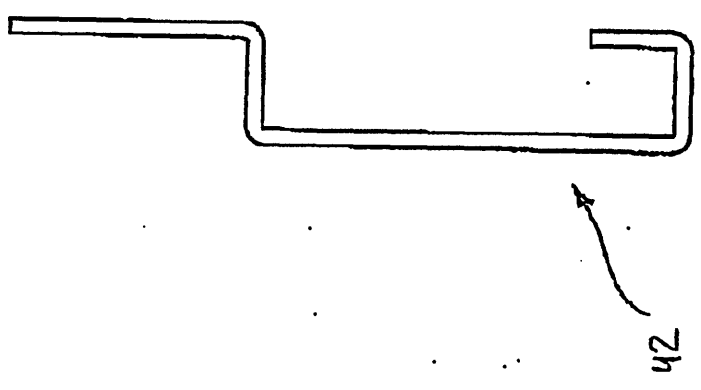


FIGURE 9

Bottom Stiffener

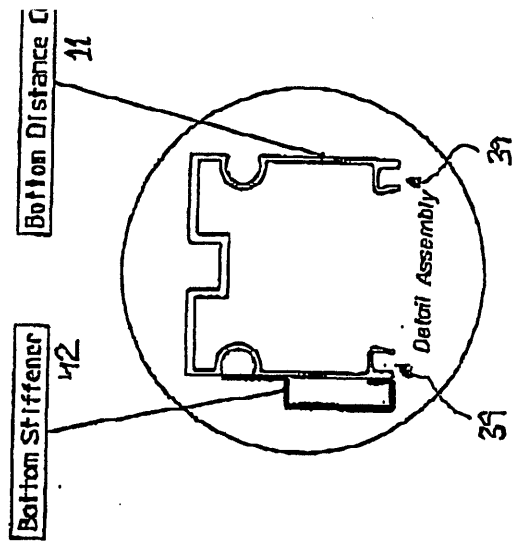


FIGURE 8

999

8/60

FOOT 282200F

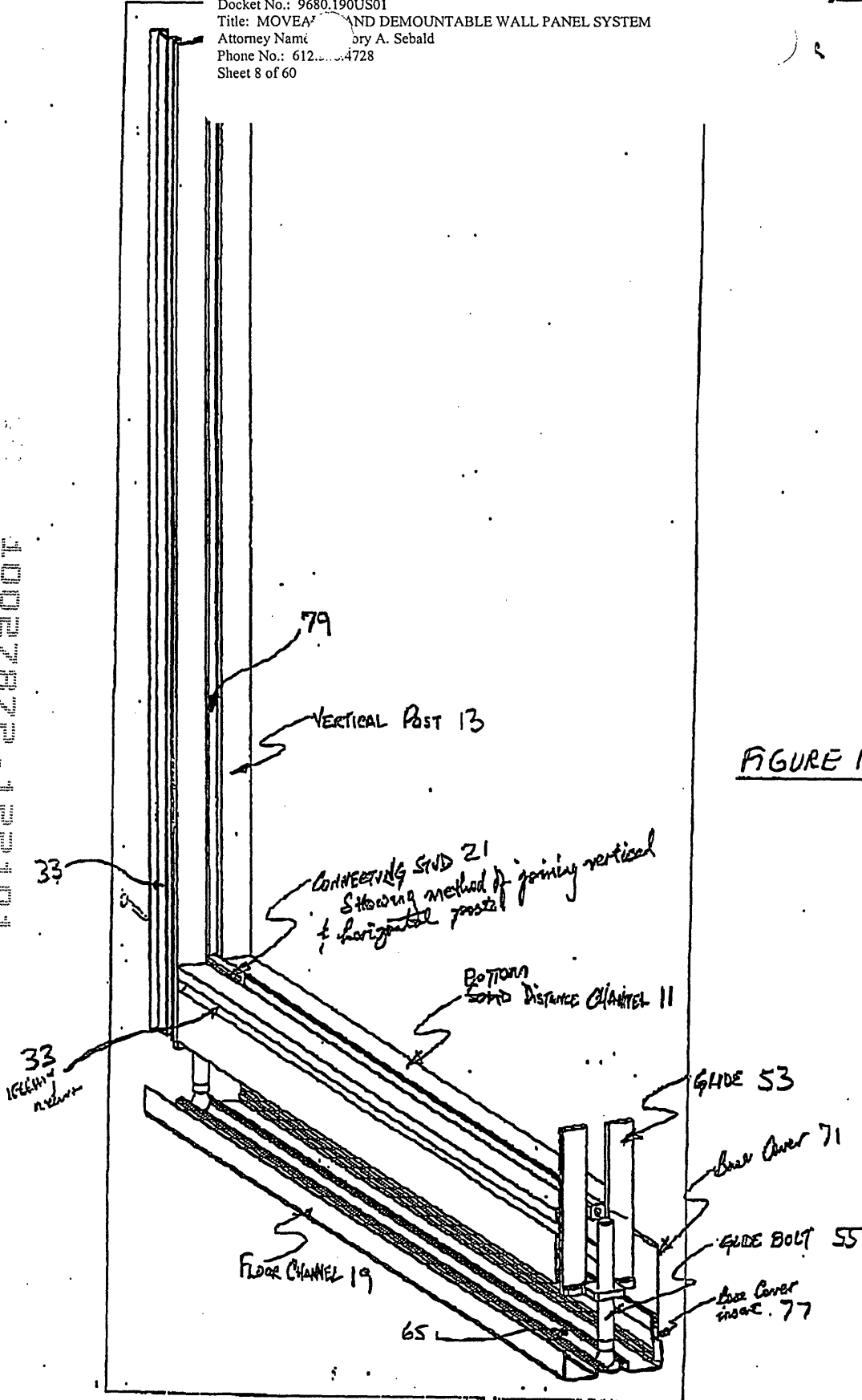


FIGURE 10

DRAWING 88

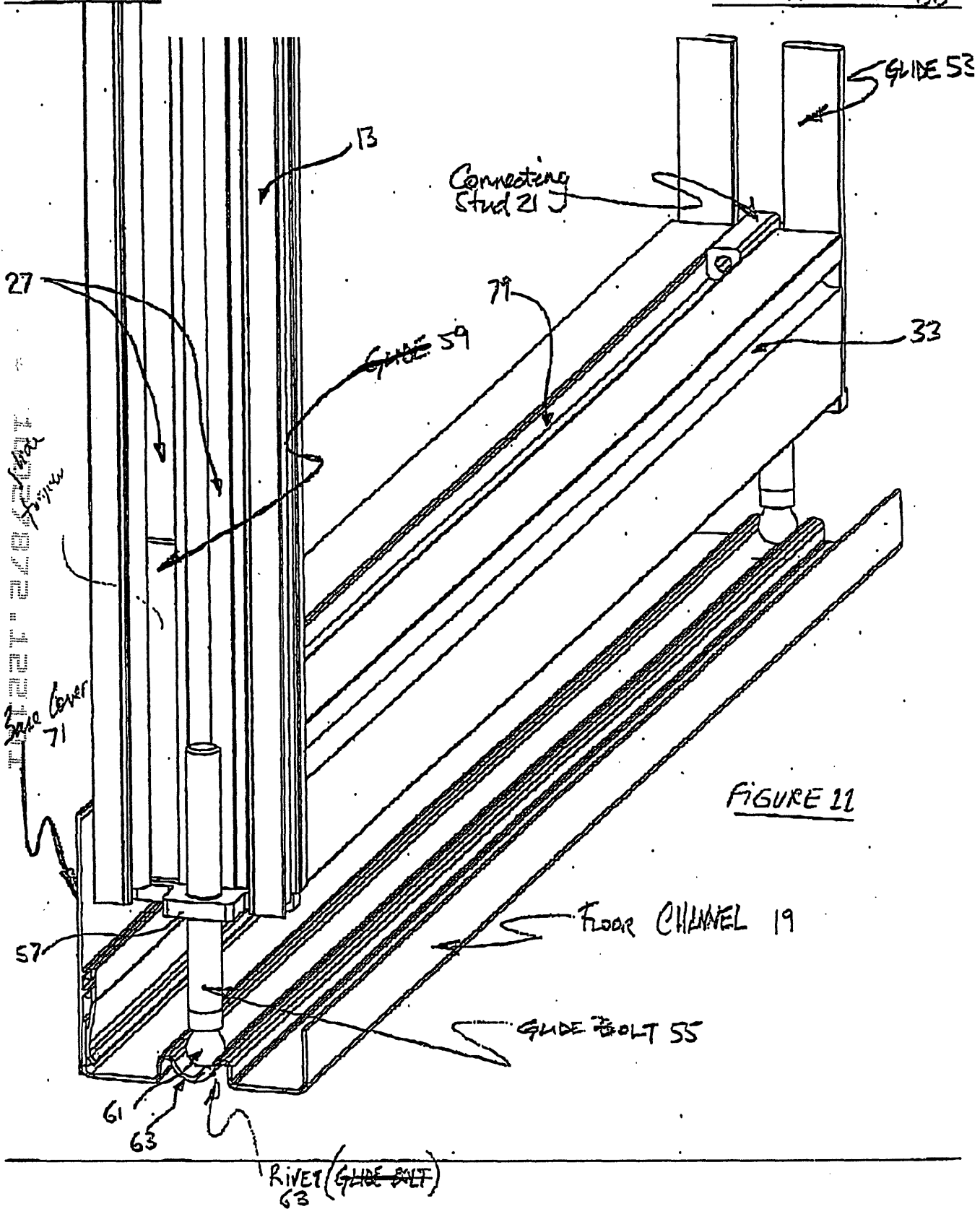
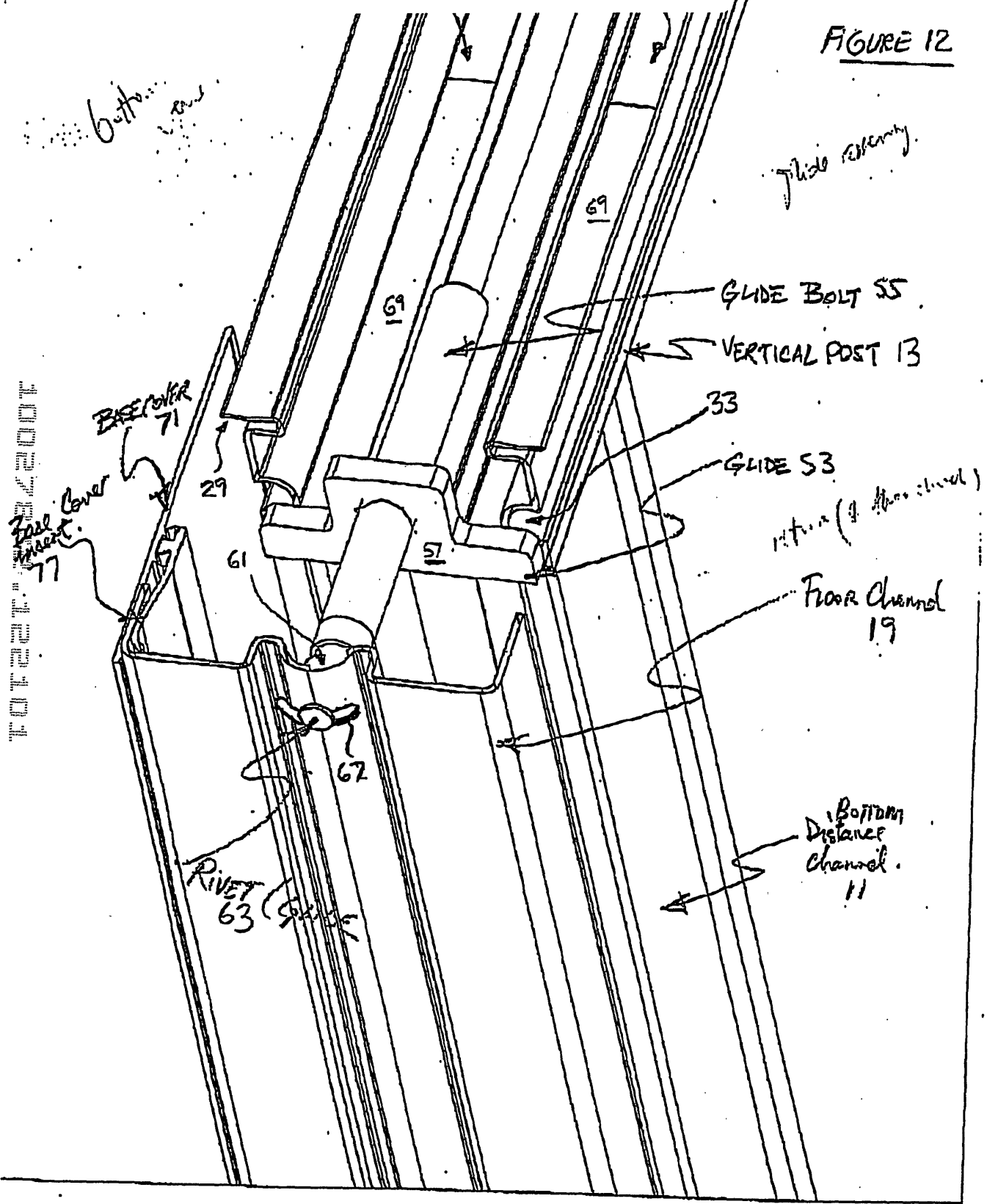


FIGURE 12



FOR THE FOOT

DRAWING A
11/60

SOLID POST
CONNECTS
TOGETHER

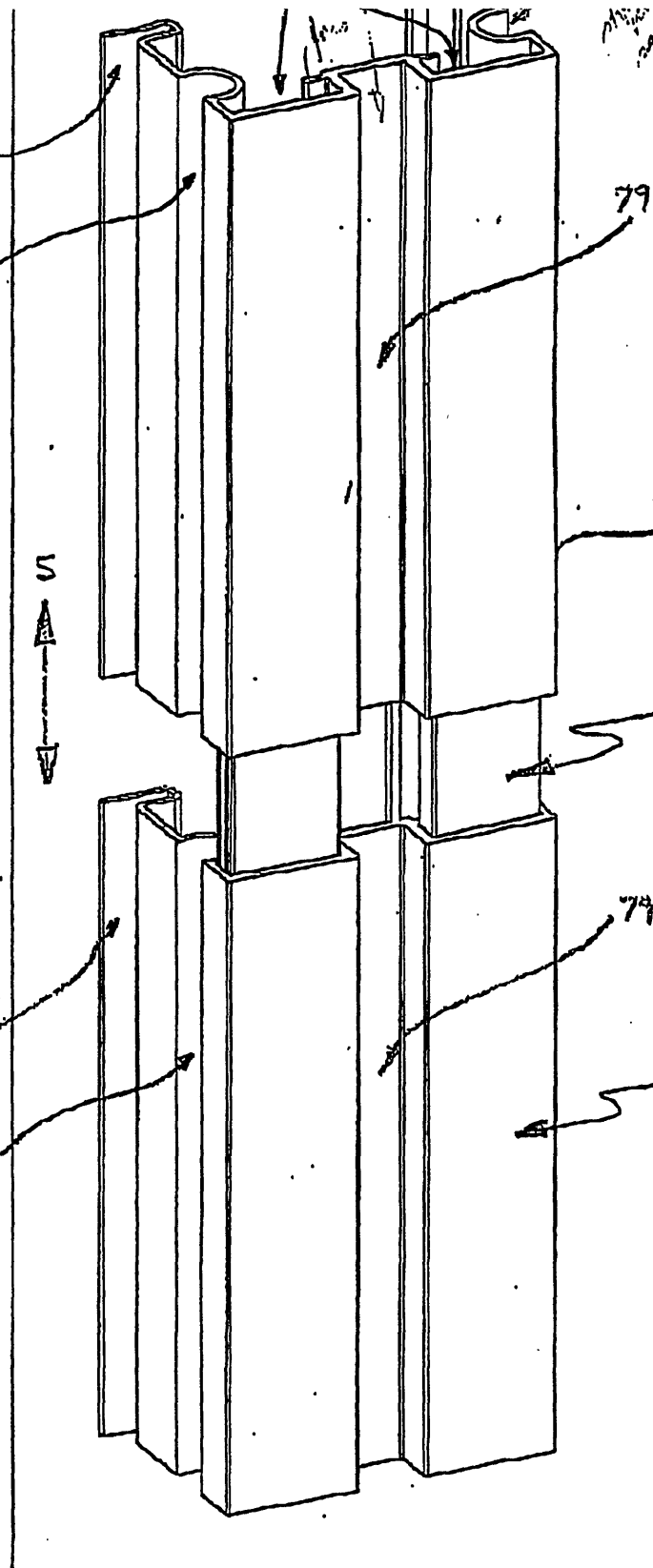


FIGURE 13

STACKABLE
FLYOVER 81

VERTICAL
SOLID POST 13

FOR SET "E" SECTION

Expédit: Leger F

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190
Title: MOVEABLE AND MOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregor Sebald
Phone No.: 612.336.4728
Sheet 12 of 60

35; JetFax #919; Page 50/98

12/60

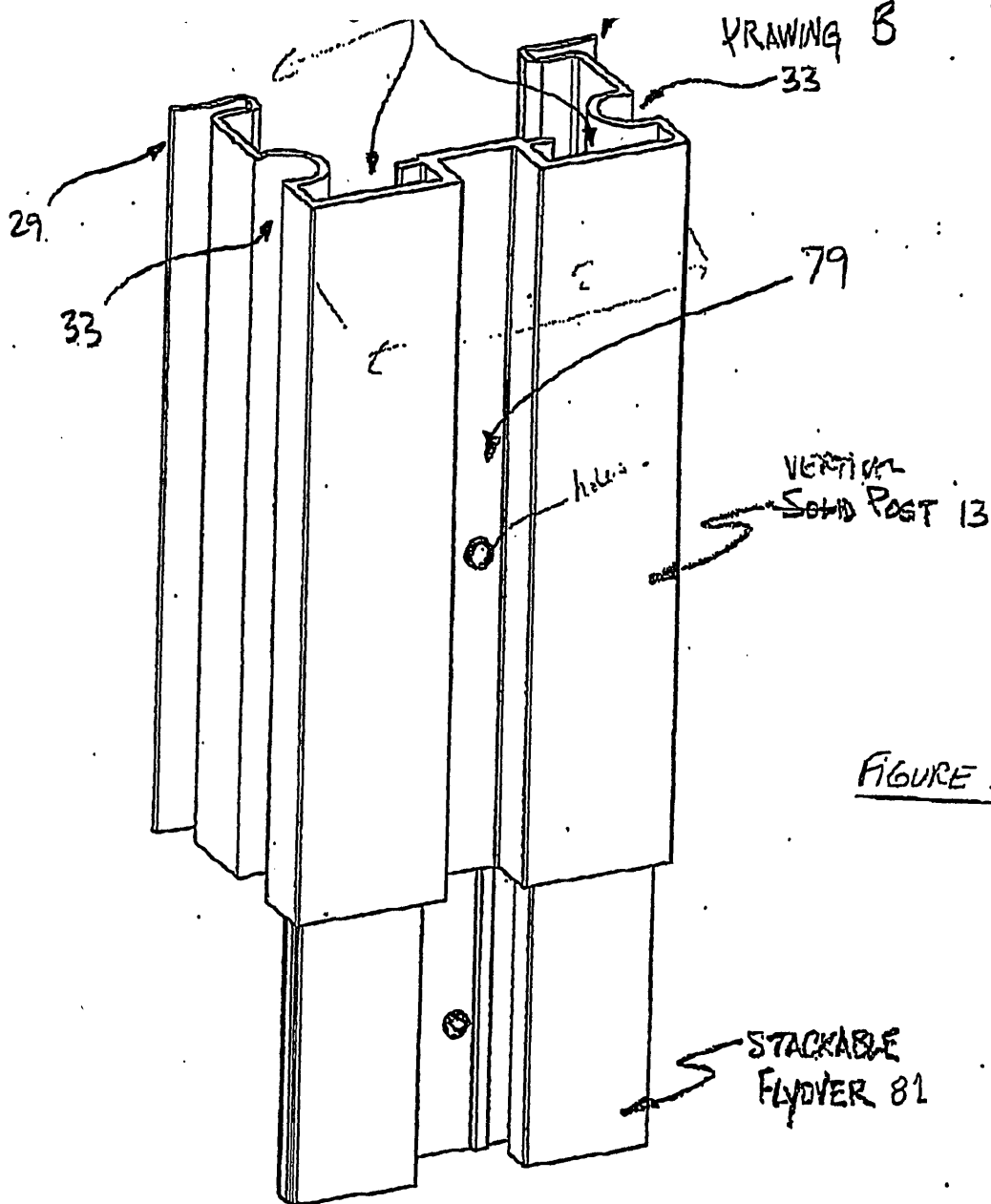


FIGURE 14

FOR "SECRET"

Expedit: Leger RO11C

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 98-190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 13 of 60

Ref: #919; Page 51/98

13/60

FIGURE 15

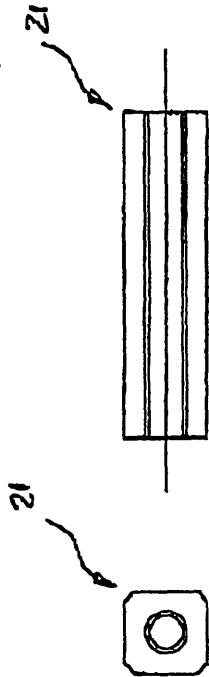


FIGURE 16

FIGURE 15

CONNECTING STUD

CCC

Expédit: Leger Robic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.536.4728
Sheet 14 of 60

Ref #919; Page 52/98

14/60

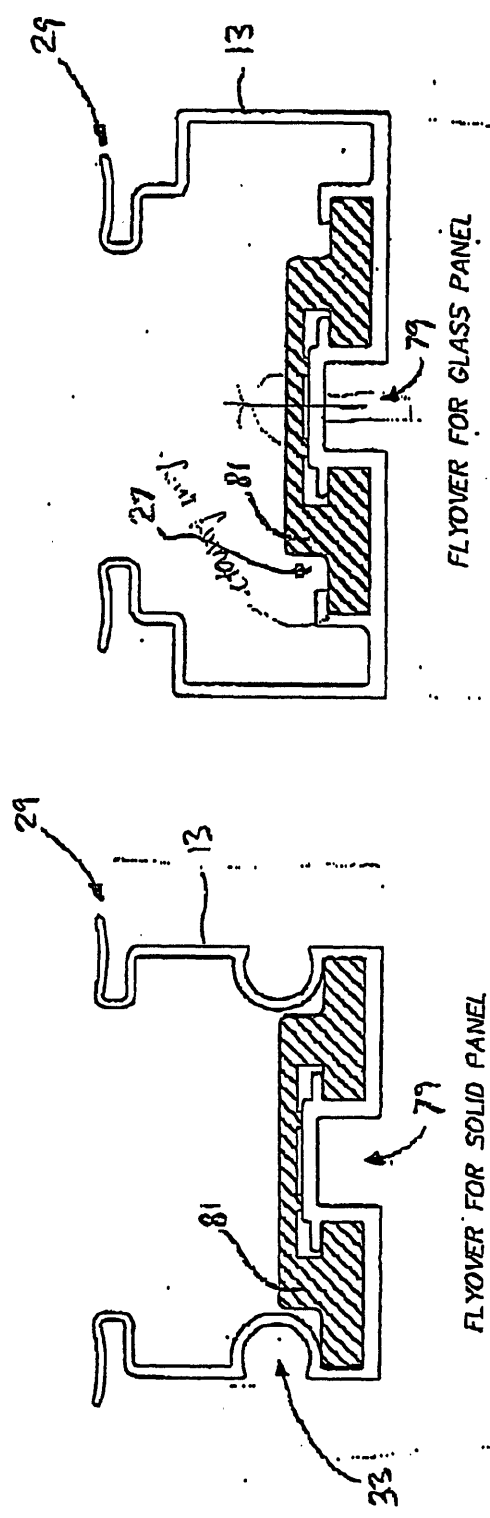


FIGURE 18

FIGURE 17

STACKABLE FLYOVER

15/60

FOOTER 242200T

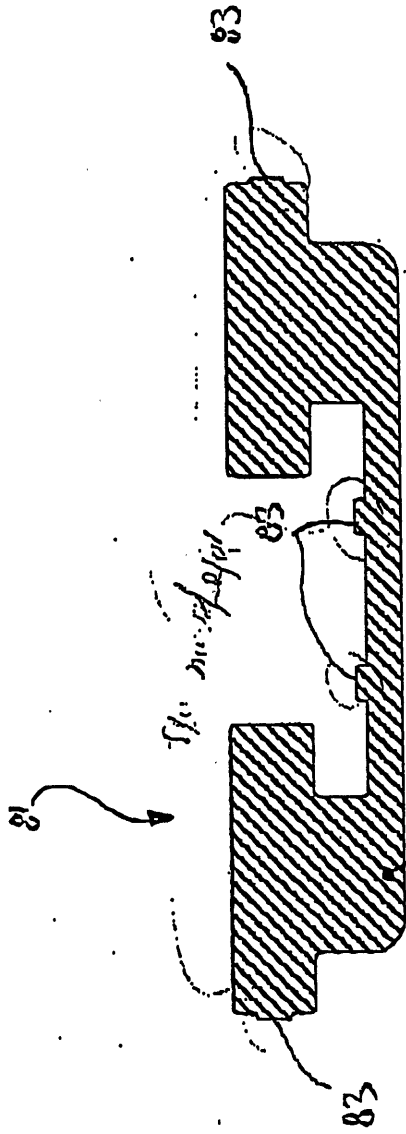


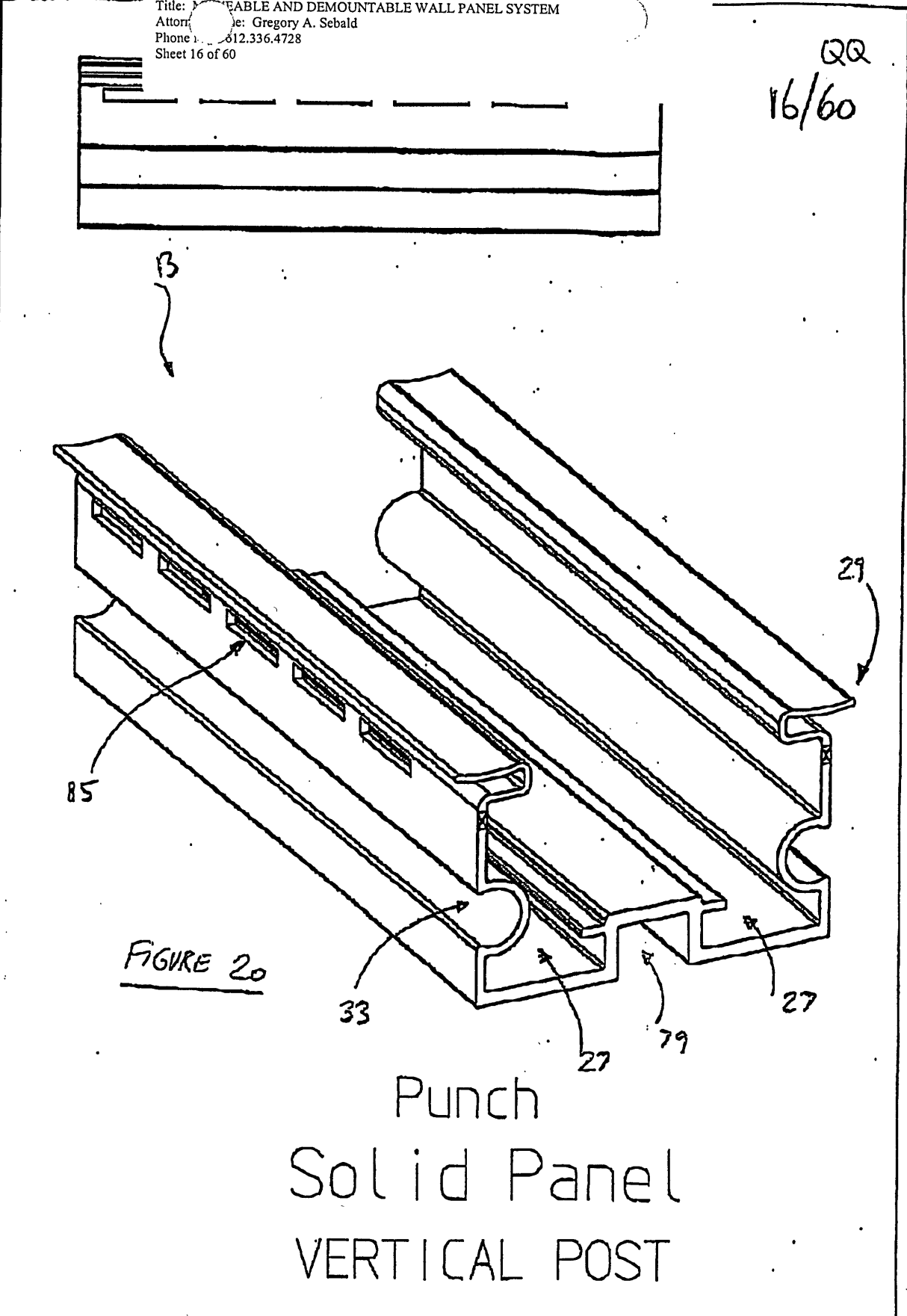
FIGURE 19

FLYOVER

Expédit: Leger Rot Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: REMOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone: 612.336.4728
Sheet 16 of 60

; JetFax #919; Page 54/98

QQ
16/60



FOR SET SCHEMATIC

Punch
Solid Panel
VERTICAL POST

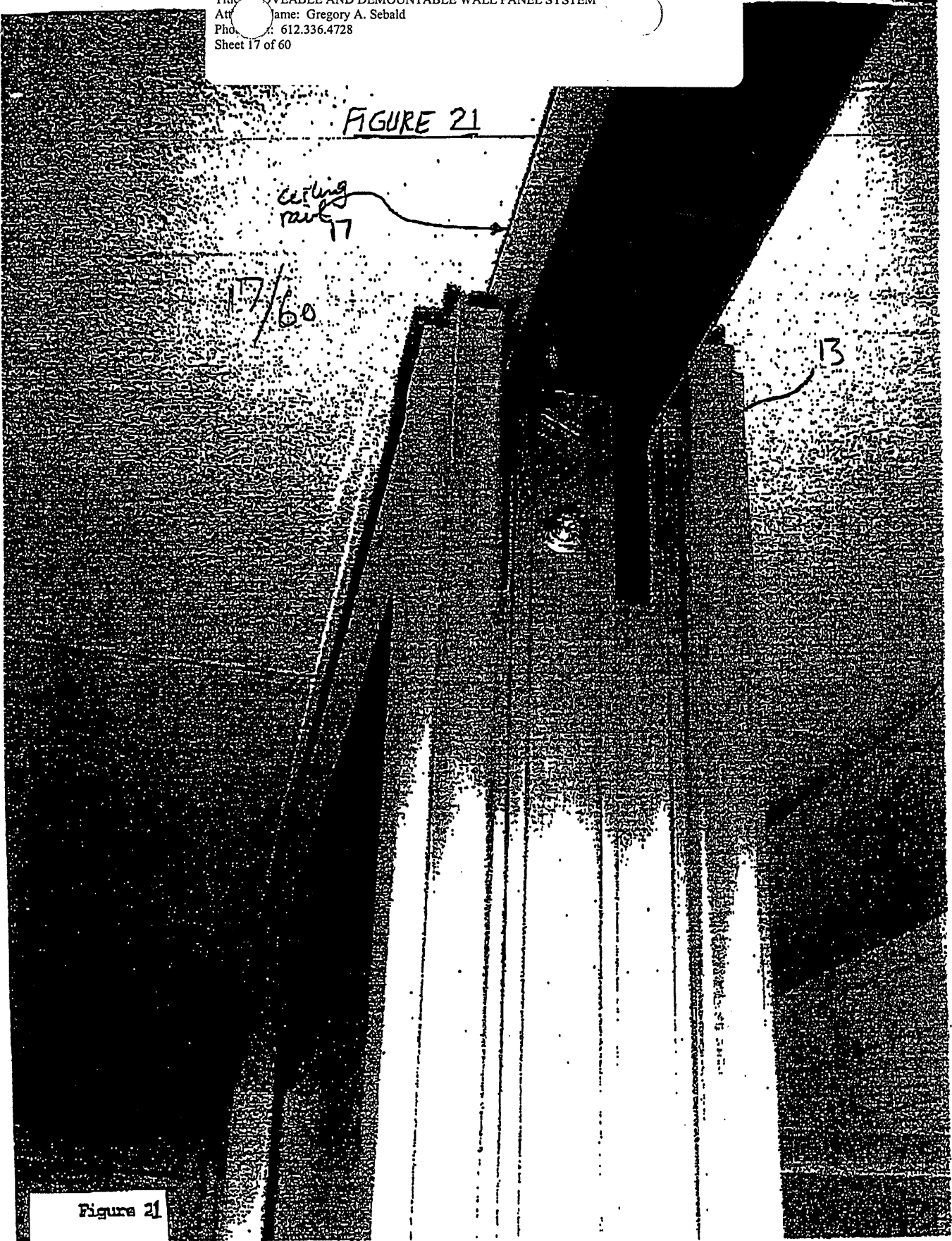


Figure 21

10027872-12101

TOP LEFT CORNER

Drawing 61

Expedient: Leger Robic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone: 612.336.4728
Sheet 18 of 60

JatFax #919; Page 56/98

18/60

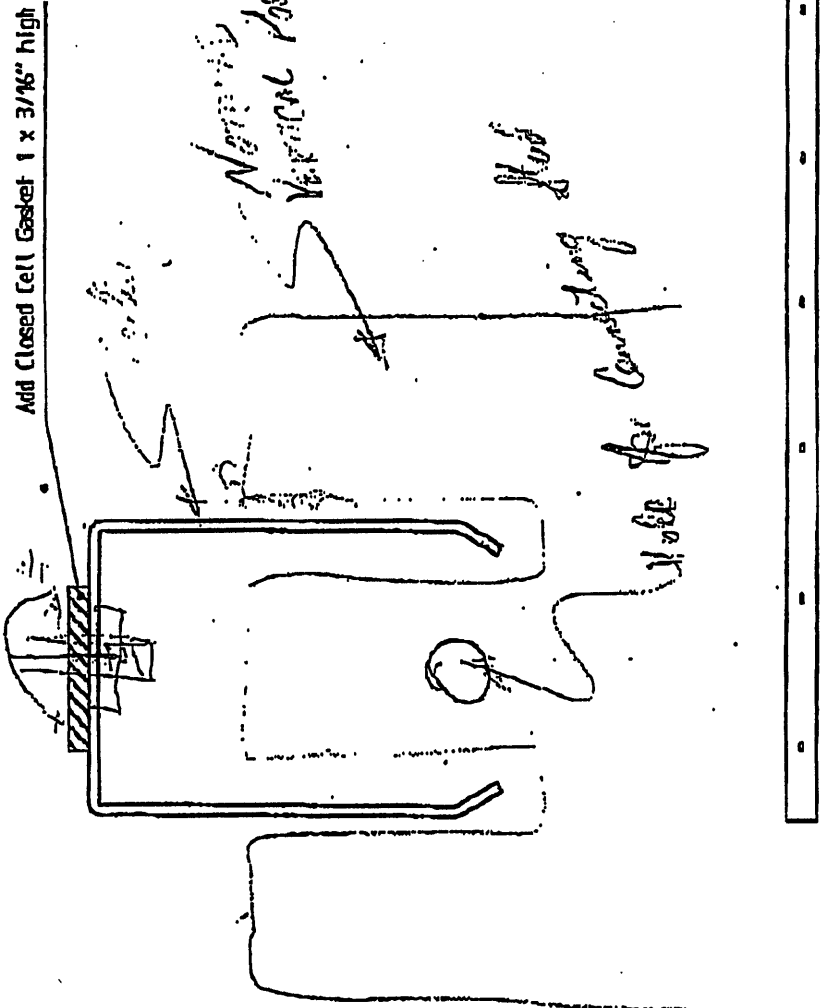


FIGURE 22

CEILING RAIL
Recessed

19/68

NOVELTY:

SPINDLE ROTATES FREELY AROUND 3 AXIS WITHOUT FURTHER PARTS AND ASSEMBLY.
 FASTENER CAN BE DE-COUPLED FROM SPINDLE FOR MAINTENANCE OF FLOOR CHANNEL

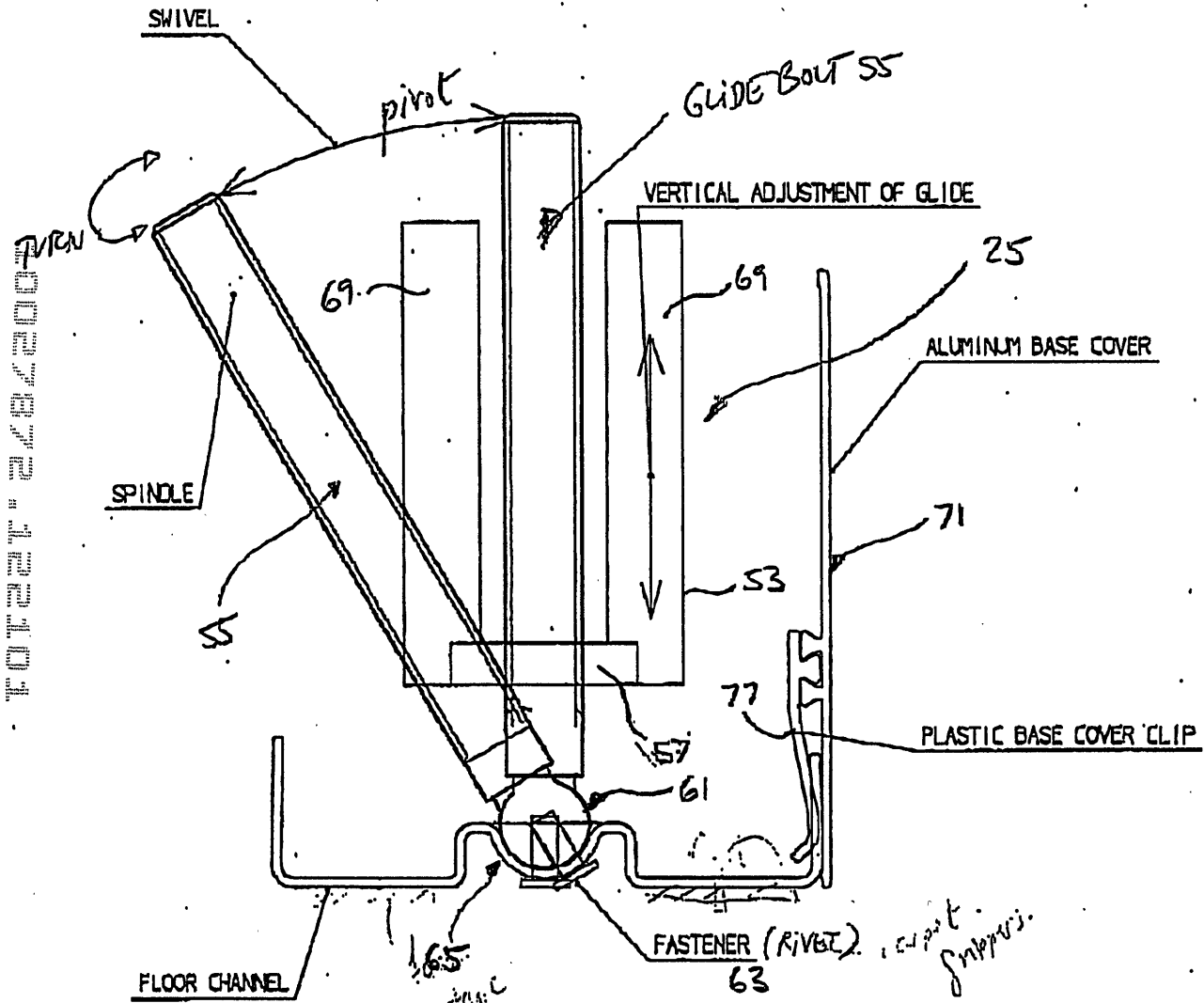


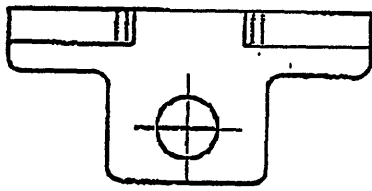
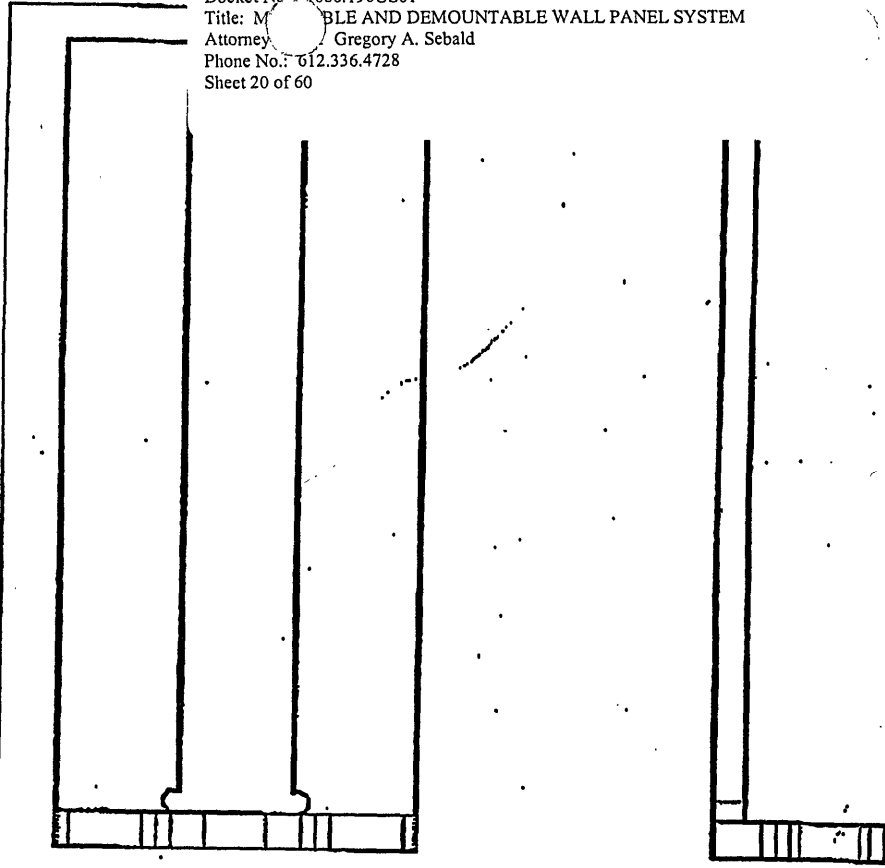
FIGURE 23

Expédit: Leger Robic R1

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 20 of 60

#919; Page 58/98

AA
20/60



53

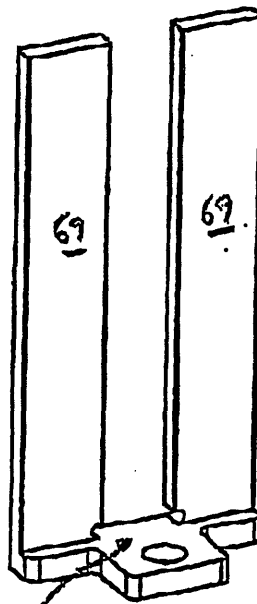


FIGURE 24

GLIDE

FOR THE "20/60"

FOOT BOARD

Expedit: Leger Robic F

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 36.4728
Sheet 21 of 60

21/60
#919; Page 59/98

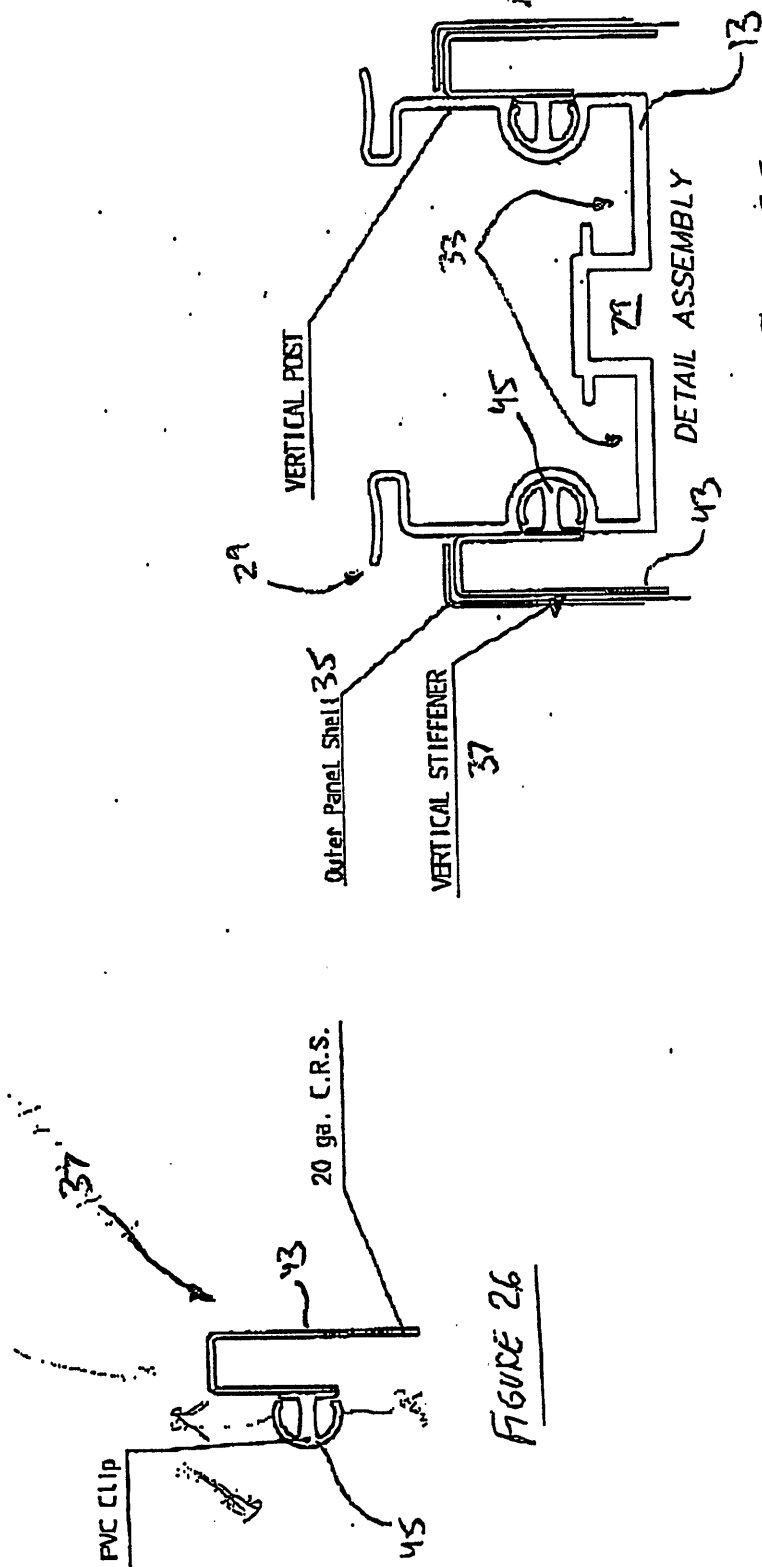


FIGURE 25

VERTICAL STIFFENER

FIGURE 26

FIGURE 27 DRAWING C

Expedient: Leger Robic | Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680,190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 22 of 60

atFax #919;Page 60/98

22/60

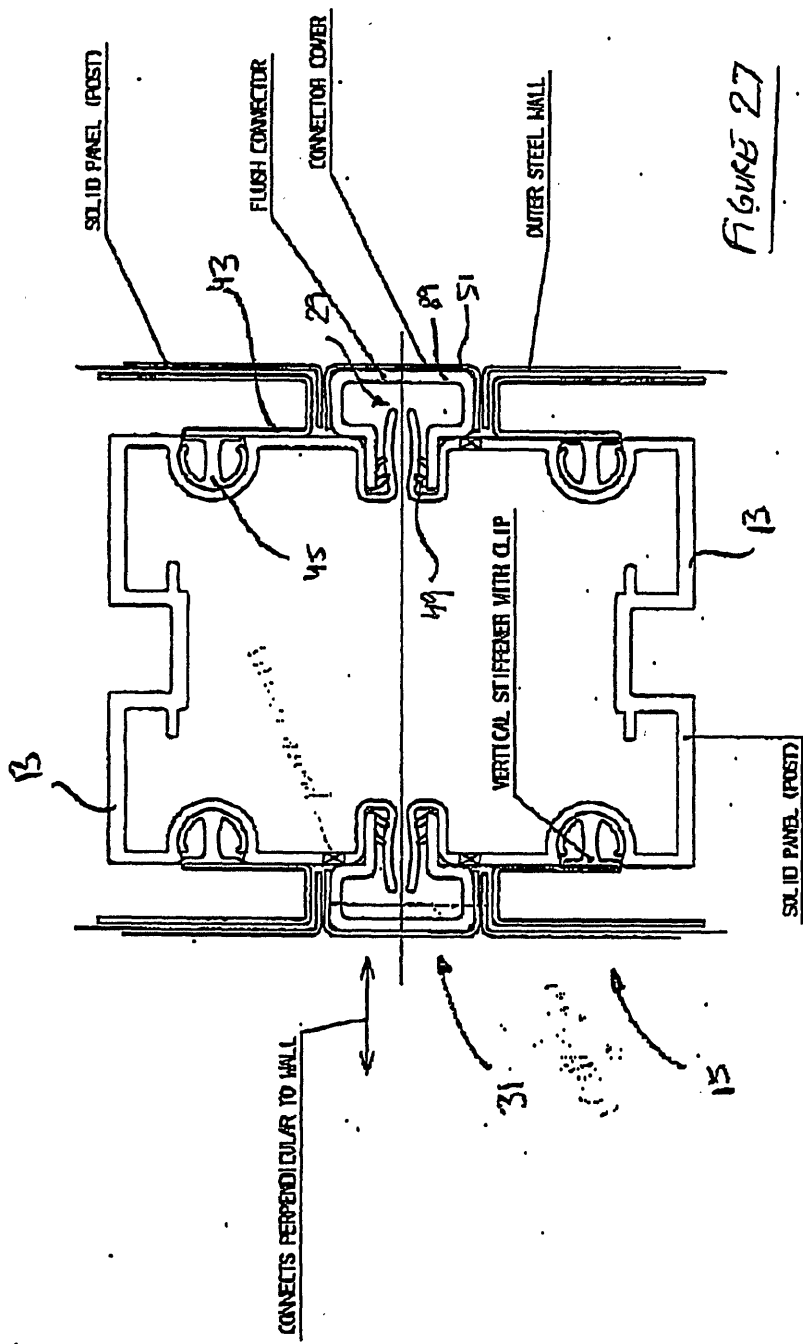


FIGURE 27

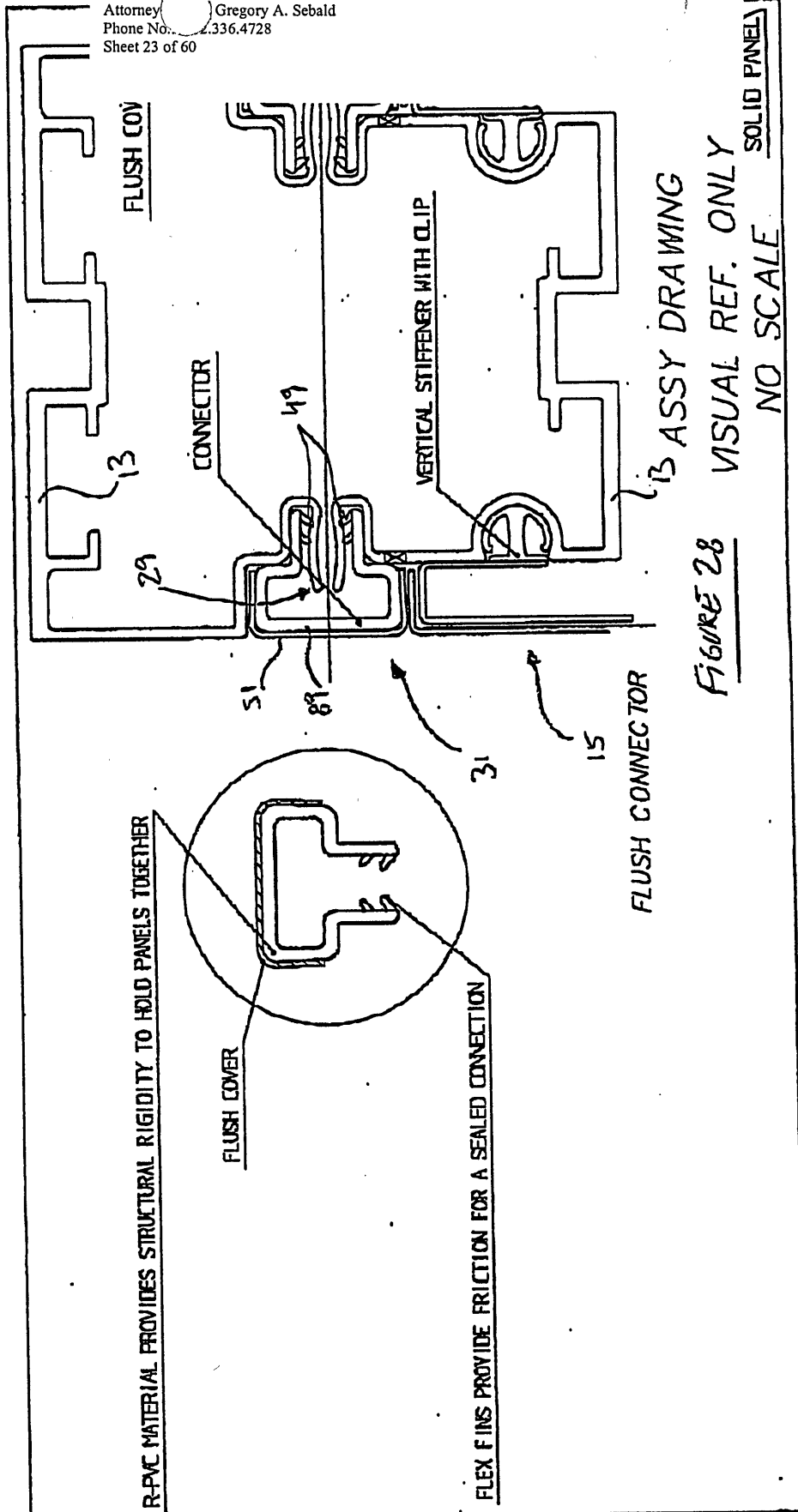
FLUSH CONNECTOR
WITH ALU. CAP
SOLID/SOLID CONDITION

FIGURE 28 DRAWING 71

Exped1t: Leger Robic R1

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 2336.4728
Sheet 23 of 60

FIG #919; Page 61/98



23/60

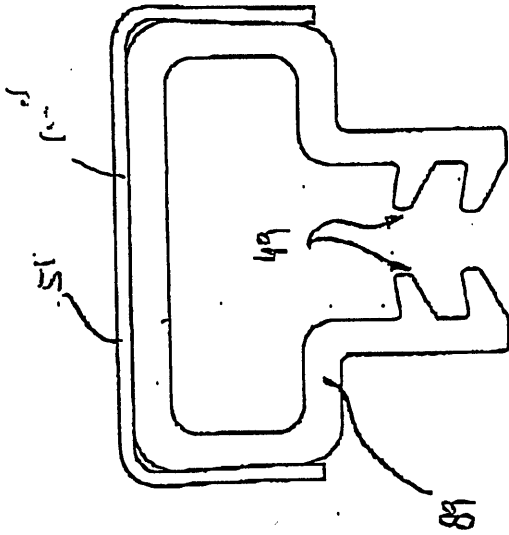
Expédit: Leger Rob1

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: [Redacted] ry A. Sebald
Phone No.: 612- [Redacted] /728
Sheet 24 of 60

JetFax #919; Page 62/98

DRAWING N

FIGURE 29



VISUAL REF. ONLY

FIGURE 29

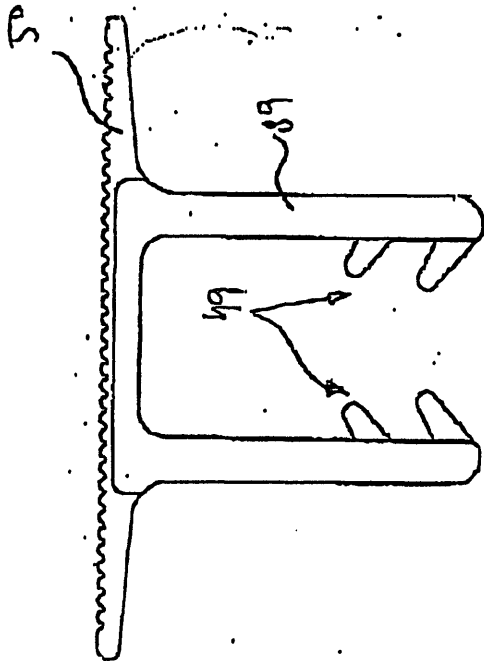
NOTES:

24/60

MATERIAL : 28 ga. ALU.

25/60

DRAWING P



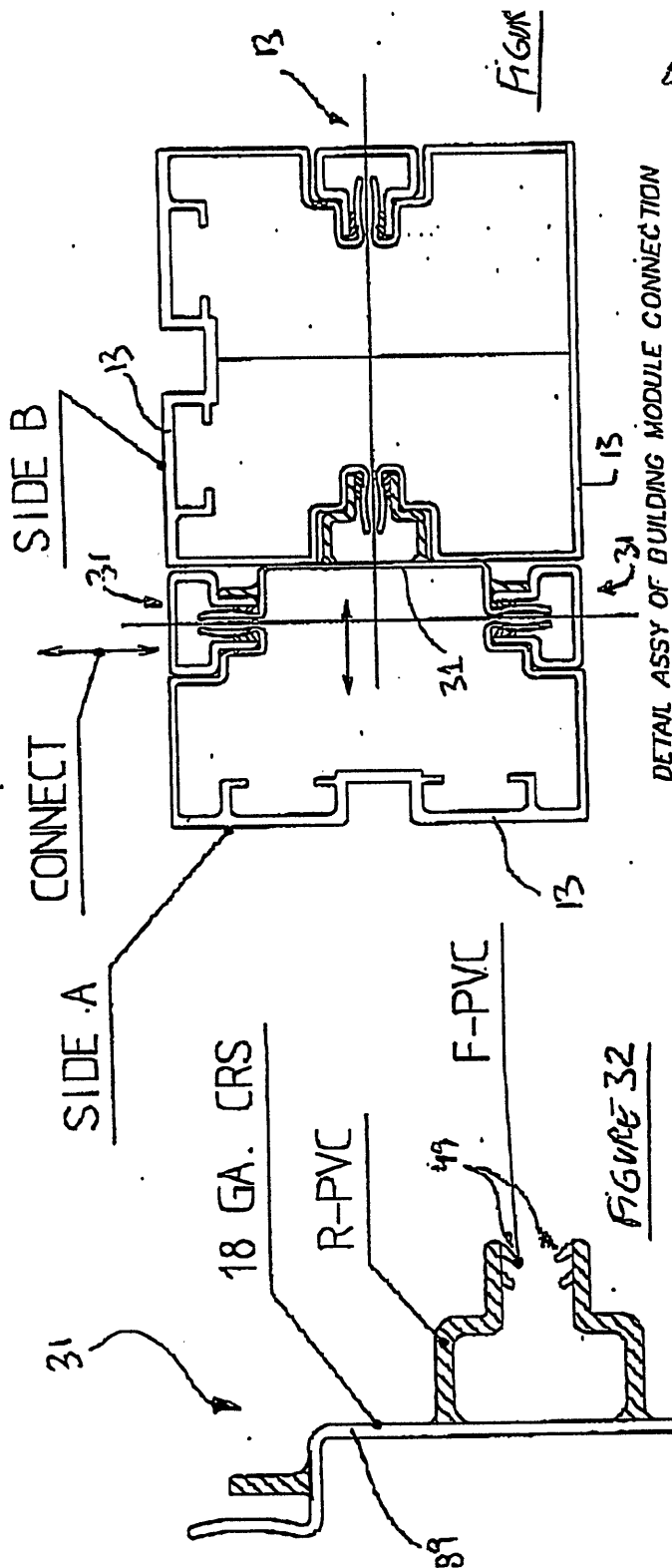
ACTUAL SIZE

FIGURE 30

RECESSED CONNECTOR EXTRUSION

26/60

FOOT CONNECT

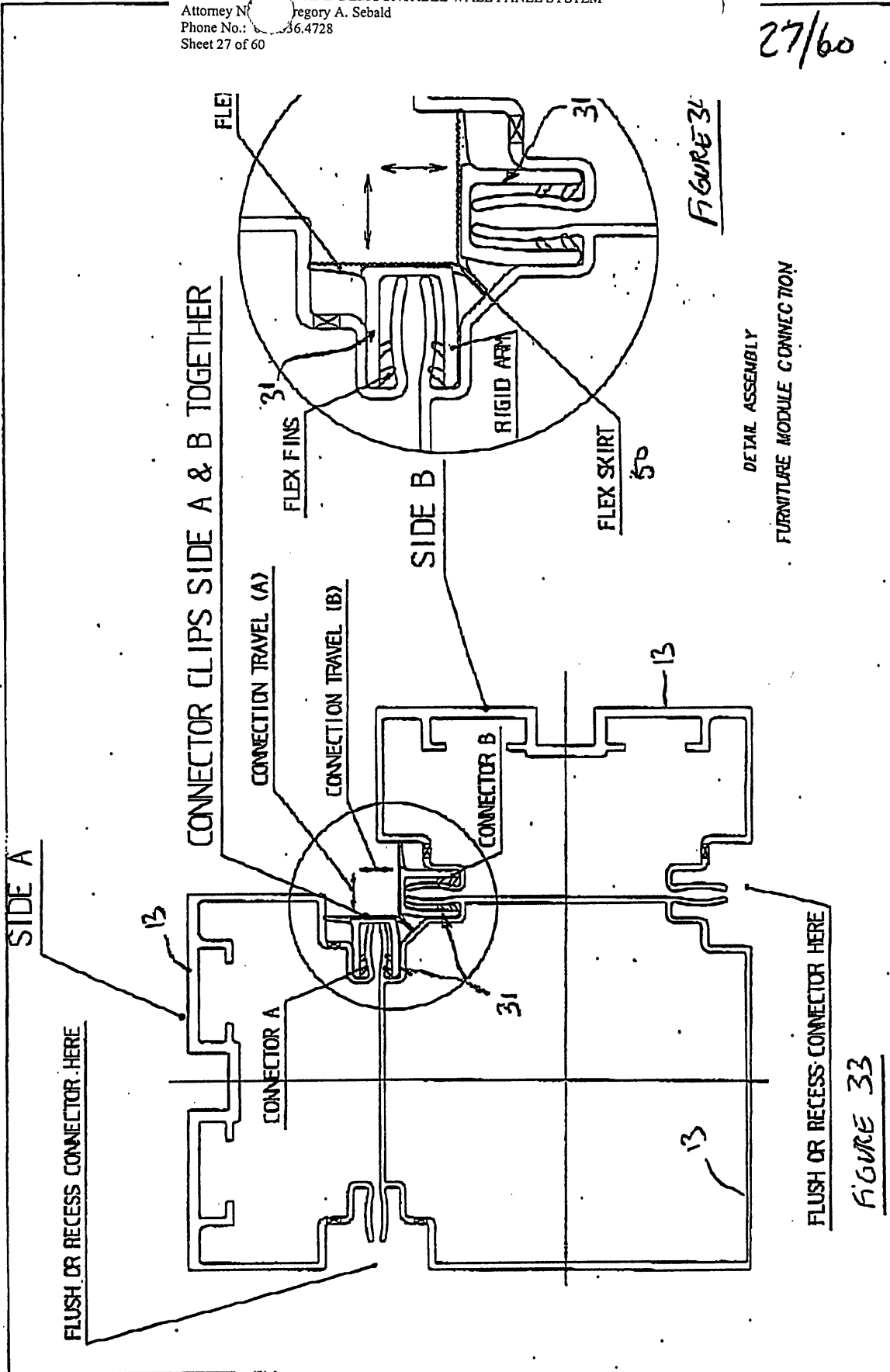


DETAIL ASSY OF BUILDING MODULE CONNECTION

NOVELTY:
BUILDING MODULE CONNECTOR ALLOW ADJACENT 90° CORNERS
TO CONNECT IN A NON-PROGRESSIVE MANNER

BUILDING MODULE
CONNECTOR

FIGURE 33 DRAWING K



FLUSH OR RECESS CONNECTOR HERE
FIGURE 33

DETAIL ASSEMBLY
FURNITURE MODULE CONNECTION

FIGURE 34

Expédit: Leger Robic R1

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 336.4728
Sheet 28 of 60

Fig #919; Page 66/98

28/60

FIGURE 35

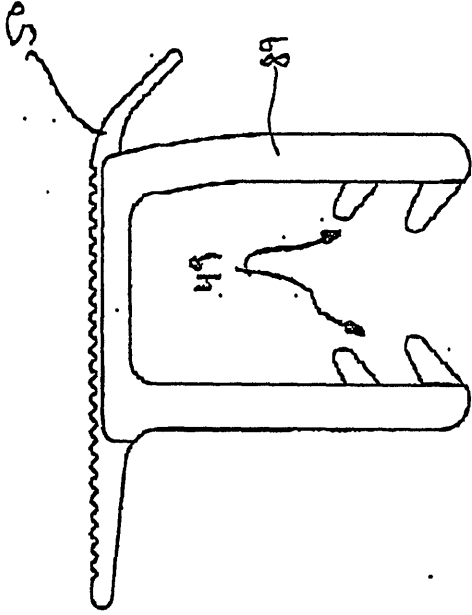
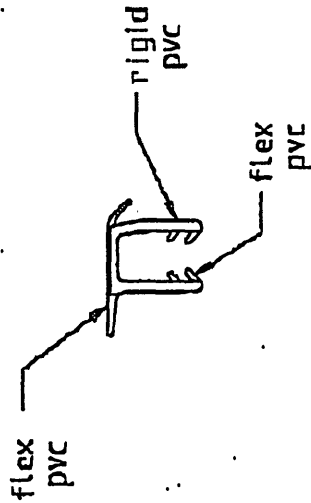


FIGURE 35

FURNITURE MODULE CONNECTOR



Inventor: VONHOYNINGEN HUENE et al.
Docket No.: 90US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 29 of 60

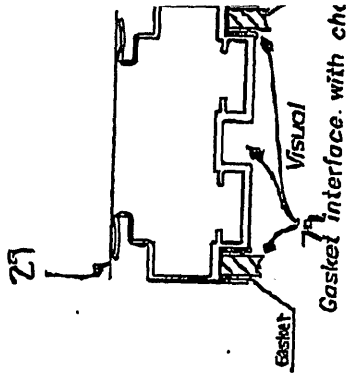
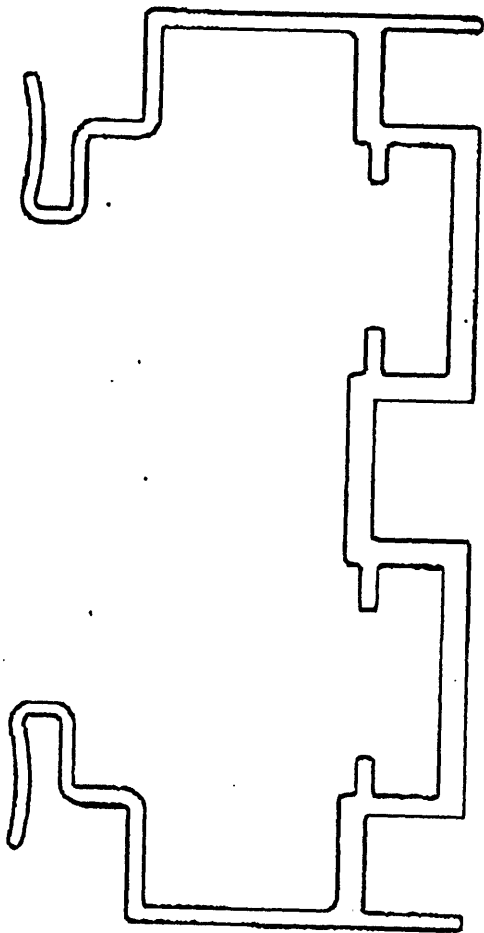


FIGURE 36

Double Glaze Vertical Post

MM
29/60

FOR THE "SECRET"

JTS
30/60

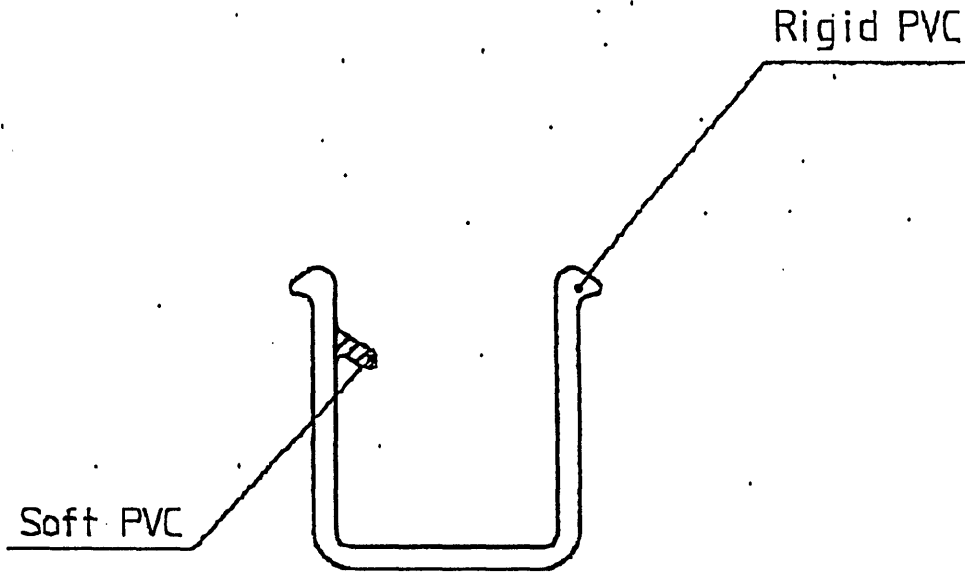


FIGURE 37

Double Glazing Gasket
Dual Durometer
Assymetric

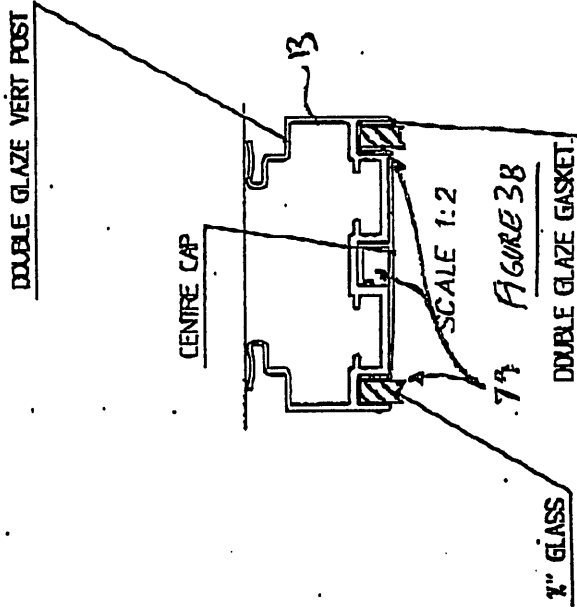
FOR FILE

Exped1t: Leger Rob1c R1

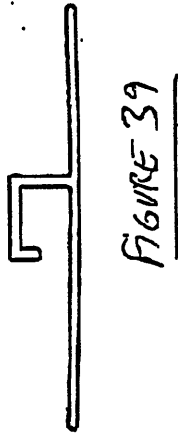
Inventor: VON HOYNINGEN HUENE et al.
Docket No: 9680.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 31 of 60

Ex #919; Page 69/98

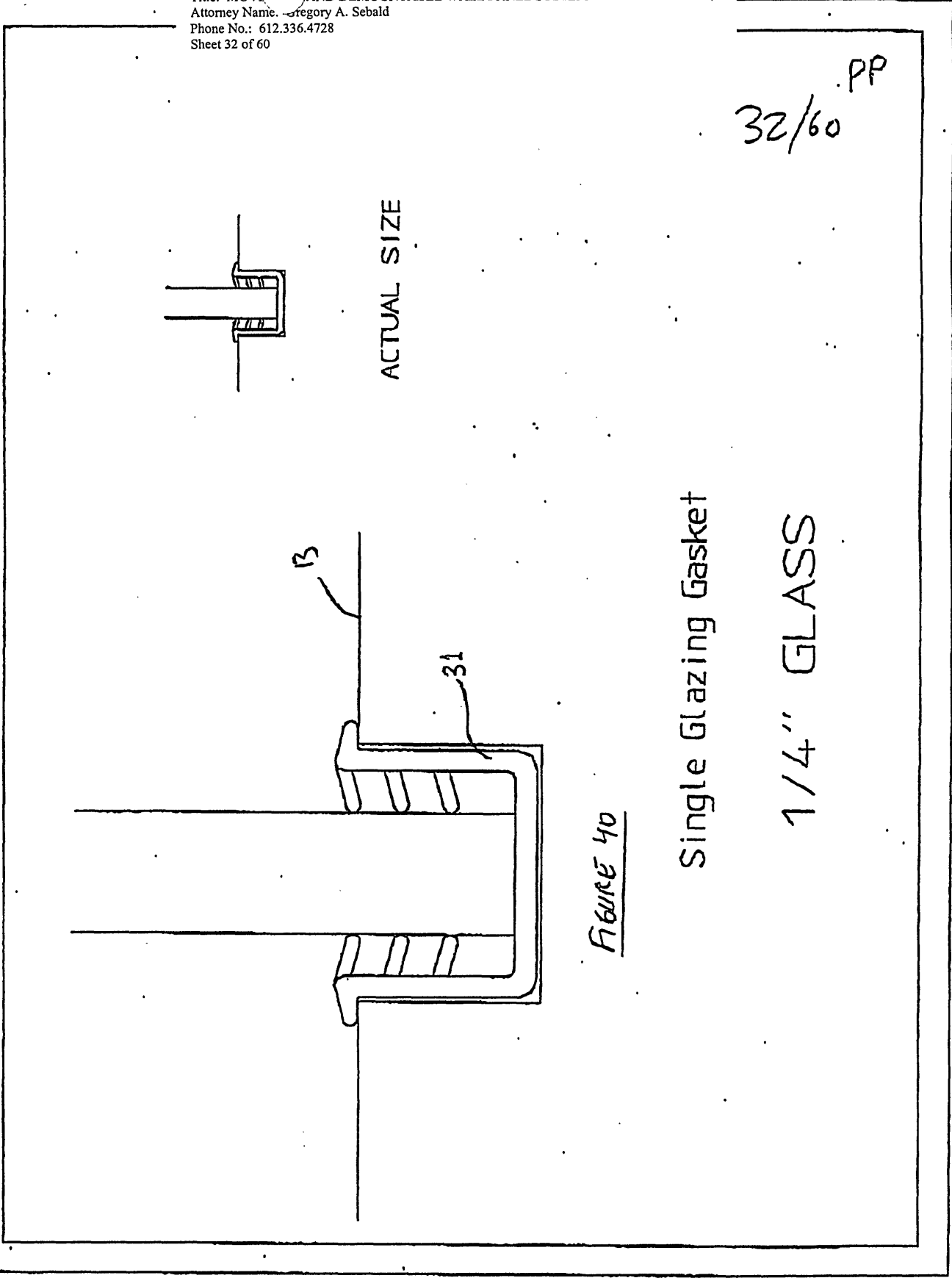
NN
31/60



CENTRE CAP
DOUBLE GLAZE CONDITION



THESE "EBCO" E



ACTUAL SIZE

FIGURE 40

Single Glazing Gasket

1/4" GLASS

32/60 PP

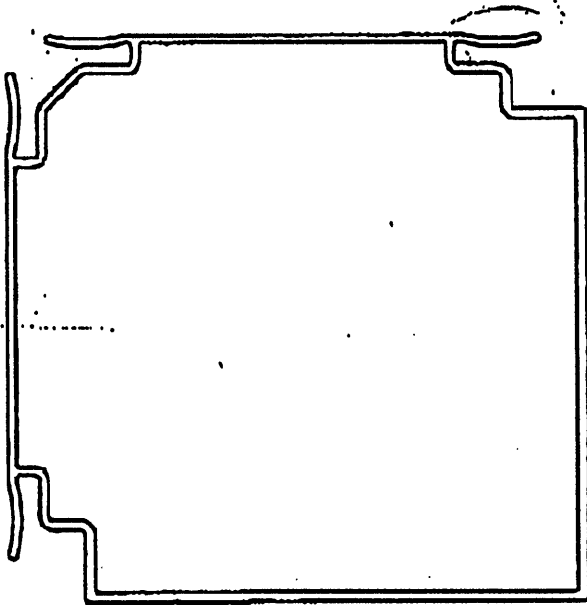
Expedit: Leger Robic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 90US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 33 of 60

JetFax #919; Page 71/98

CC

33/60



Furniture Module

2 Way Square Profile

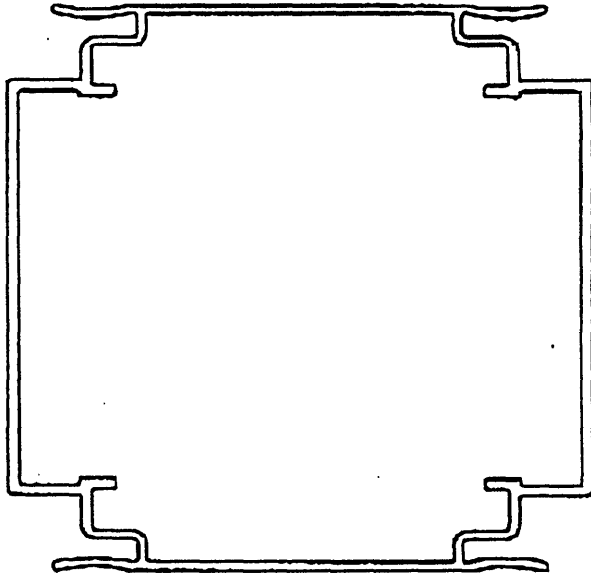
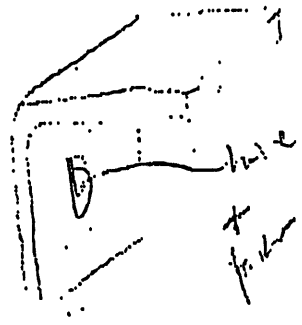
FIGURE 41

Expedient: Leger Robic f Inventor: VON HOYNINGEN HUENE et al.
Docket No. 90,190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 34 of 60

Ref #919; Page 72/98

DD.

34/60



FURNITURE MODULE
180° POST

FIGURE 42

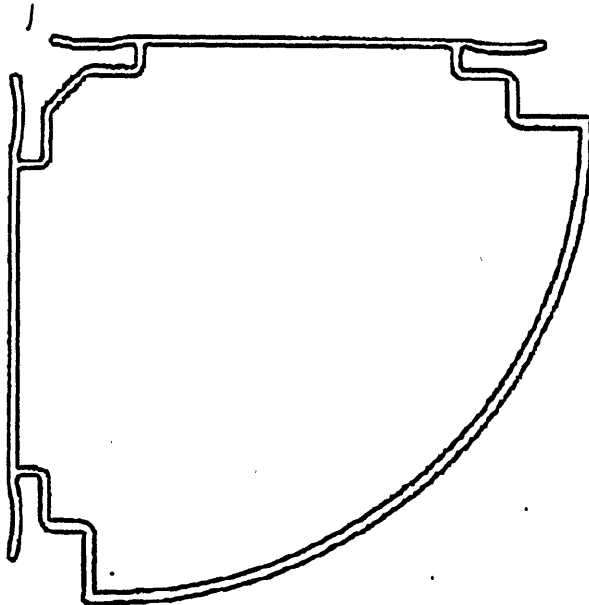
FIGURE 42

Expédit: Leger Rob Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680 1501
Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 35 of 60

JetFax #919; Page 73/98

LEE

35/60



Furniture Module

Half Round 2 Way Connector

FIGURE 43

Expedit: Leger Rod

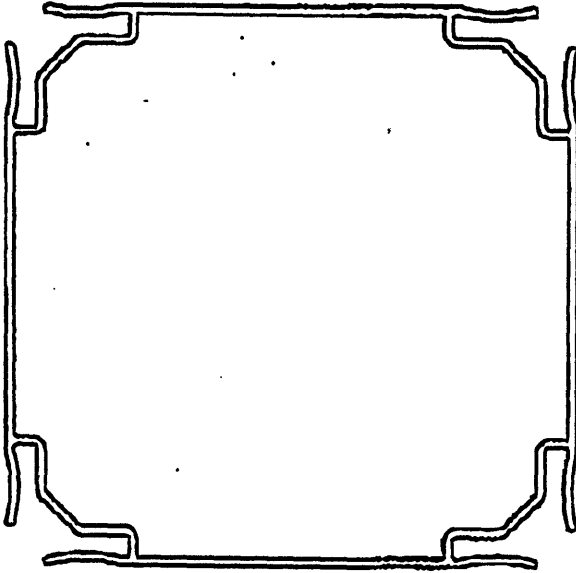
Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680 501
Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 37 of 60

: Jafax #919; Page 75/98

66

37/60

FIGURE 45



Furniture Module

4 Way Connection Carrier

FIGURE 45

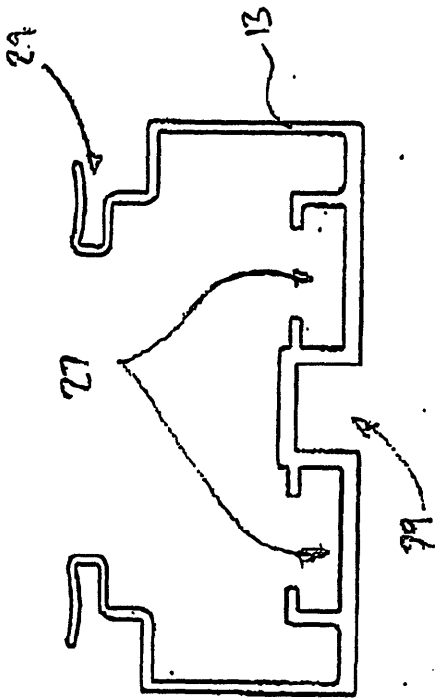
Expedi: Leger Robic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 90US01
Title: MOVE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 38 of 60

JefFax #919; Page 76/98

38/60

FIGURE 46



GLASS VERTICAL POST

FIGURE 46

38/60

Expédit: Leger Robic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 90US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 39 of 60

JefFax #919; Page 77/98

LL
39/60

FOR THE "23200"

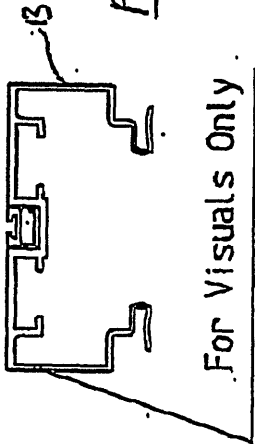
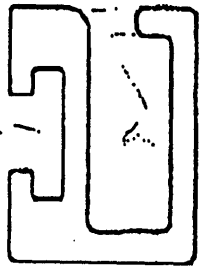


FIGURE 47

For Visuals Only
No Scale

Weatherstrip Holder.

10/60

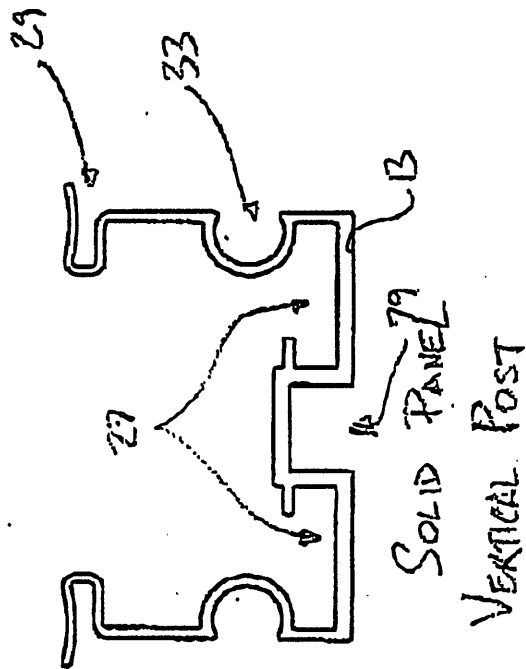


FIGURE 48

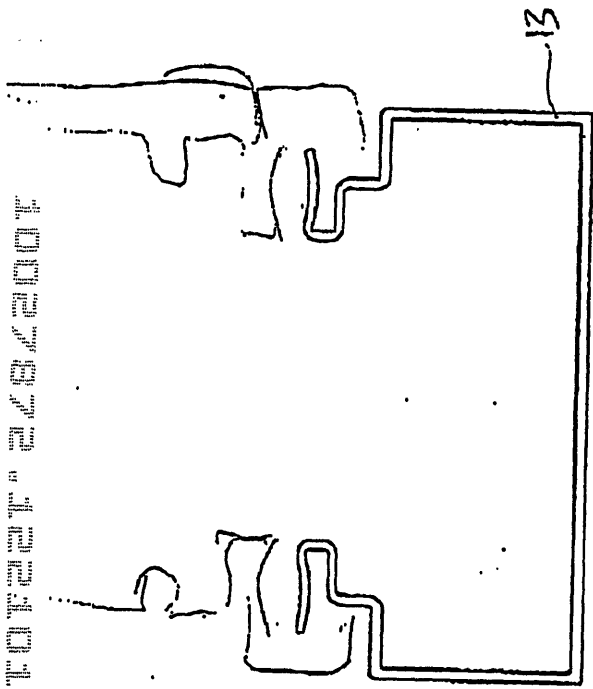
FOR REFERENCE

4411

Expédit: Leger Robi Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 96800000US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 41 of 60

JetFax #919; Page 79/98

41/60



—Corner Profile—
Building Module

FIGURE 49

FIGURE 49

xx

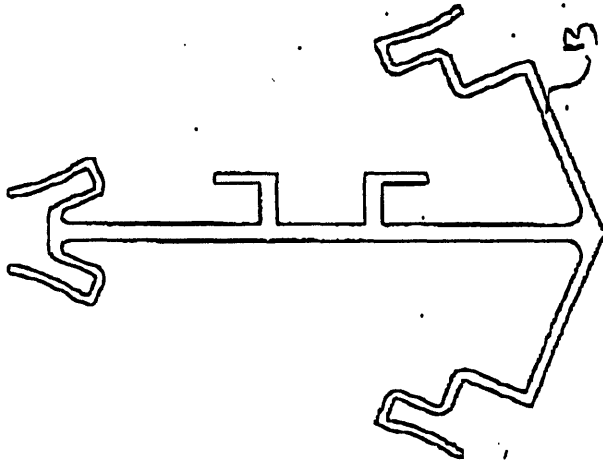
Expedit: Leger Robic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680,190US01
Title: MOVING AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 610-564728
Sheet 42 of 60

JetFax #919; Page 80/98

4/2/60

FIGURE 50



135° CORNER POST

FIGURE 50

IC

FOOT 222200T

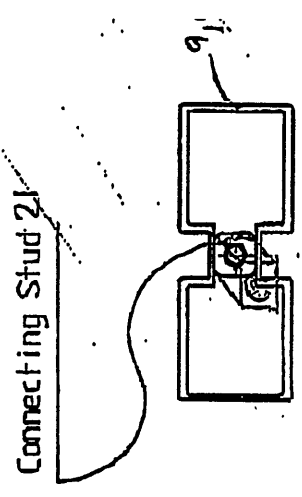
Expedit: Leger Robic R1

Inventor: VON HOYNINGEN HUENE et al.
Docket No: 80.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebold
Phone No.: 612.336.4728
Sheet 43 of 60

FIG #919; Page 81/98

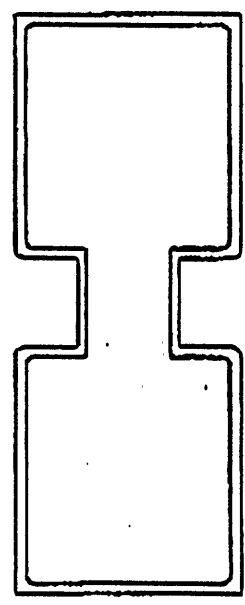
HM

43/60



Detail of profile with stud
For Visuals Only

FIGURE 51



Glass/Glass Transition
Distance Channel

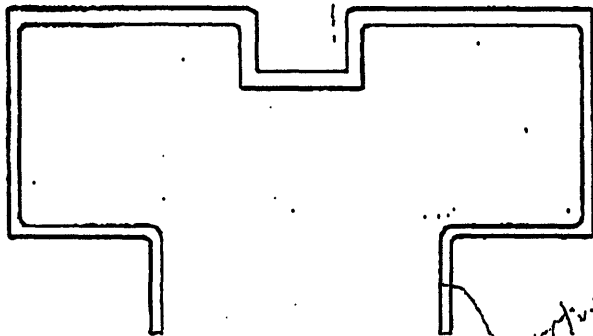
Expedient: Leger Robic R:

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 412.336.4728
Sheet 44 of 60

Fig. #919; Page 82/98

II

44/60



returning to fig 44

FOR "SECRET"

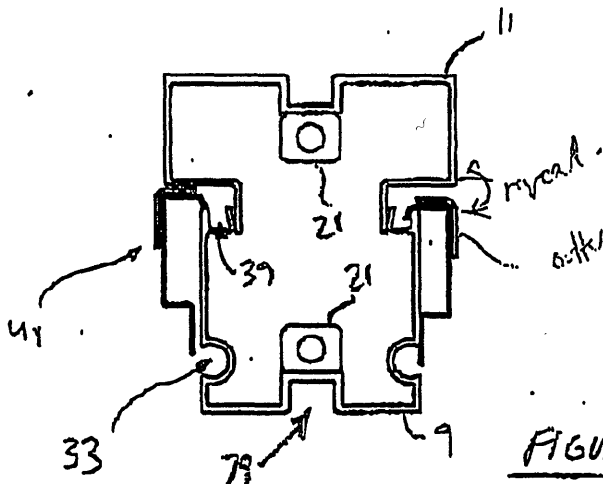


FIGURE 52

Detail Assembly
Visual reference

Glass / Solid Transition
Distance Channel

Expédit: Leger Robic R

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 80.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 45 of 60

Fax #919; Page 83/98

45/60

Double Glaze Distance Channel

Top

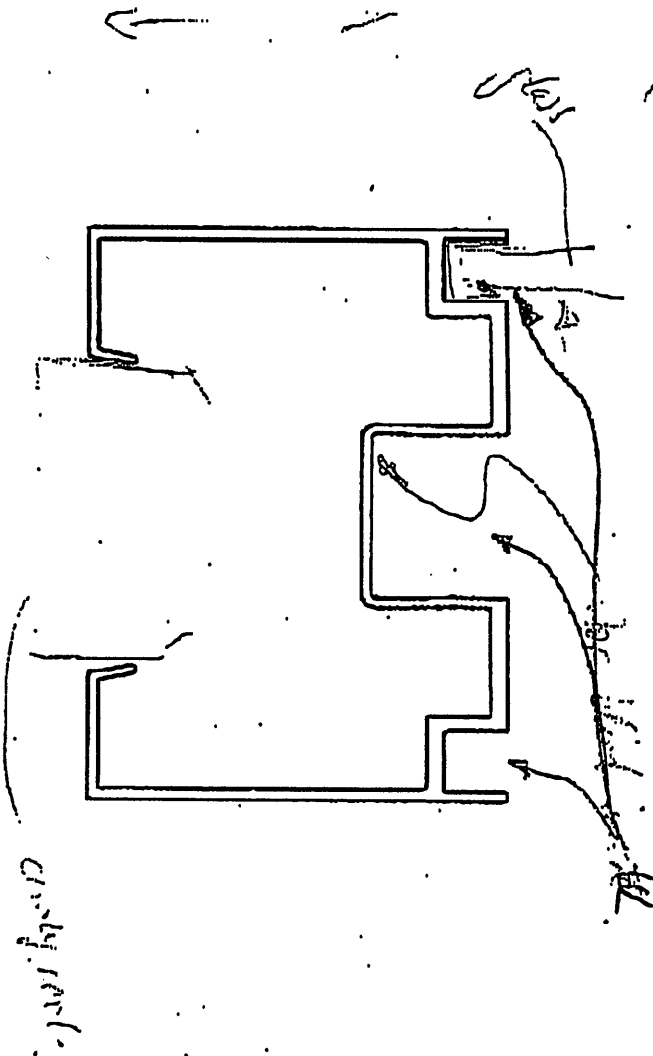


FIGURE 53

(see figure 53)

10027372 . 122104

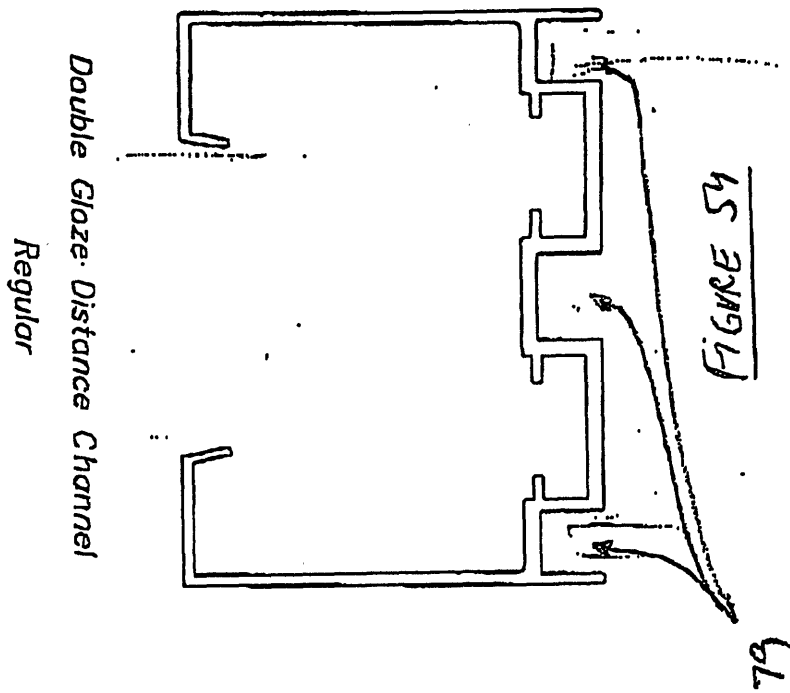
KK

Exped1t: Leger Robic |

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 46 of 60

VerFax #919; Page 84/98

RR
46/60

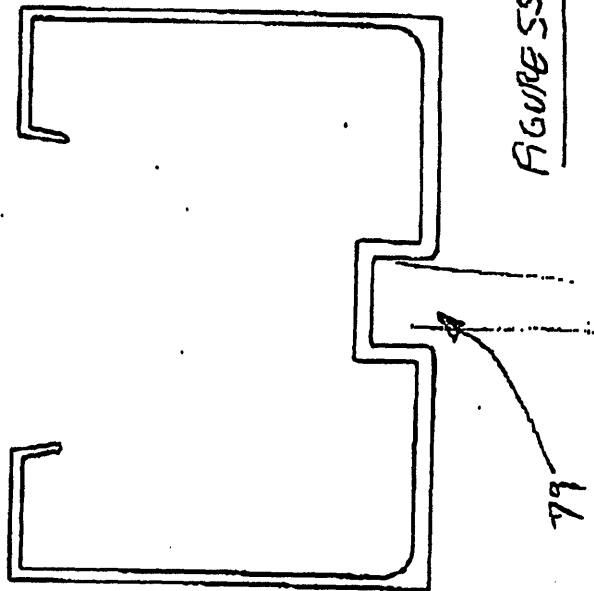


COPY TO BE MADE

Inventor: HOYNINGEN HUENE et al.
Docket No.: 0.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 47 of 60

DDD

47/60



Glass Panel

Top/Bottom Distance Channel

10027872 422104

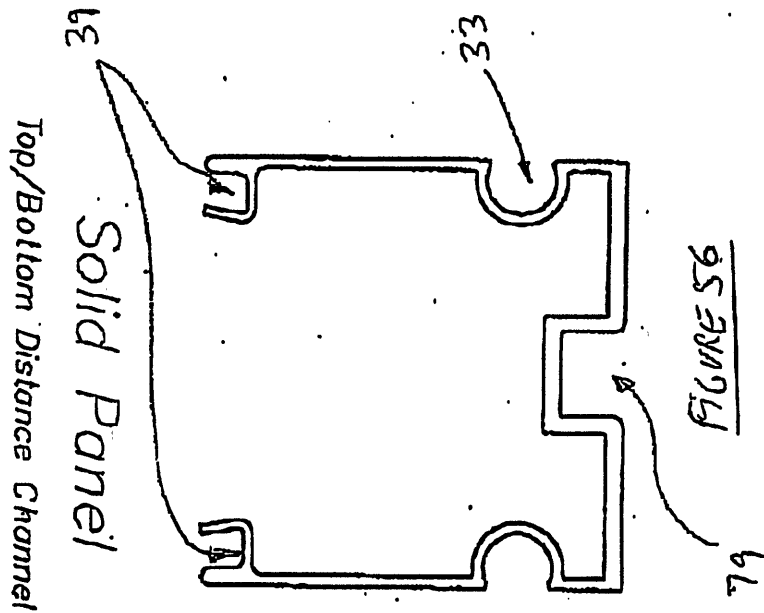
Expedient: Leger Robic R1

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 80.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 48 of 60

Fax #919; Page 86/98

III

4/8/60



10027872 "122401

Expedit: Leger Robt

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Jerry A. Sebold
Phone No.: 612.554.4728
Sheet 49 of 60

JetFax #919; Page 87/98

49
49/60

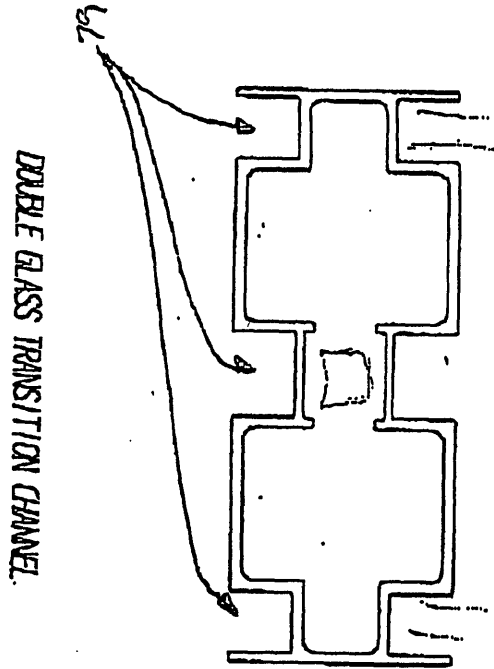


FIGURE 57

10027872 . 422104

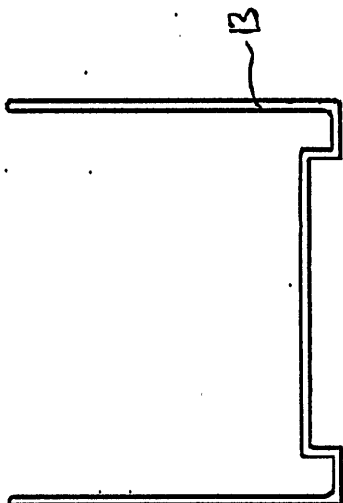
Expédit: Leger RO11

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebold
Phone No.: 612.4728
Sheet 50 of 60

JetFax #919; Page 88/98

~~JSS~~
50/60

FOR THE "E-Z-BOARD"

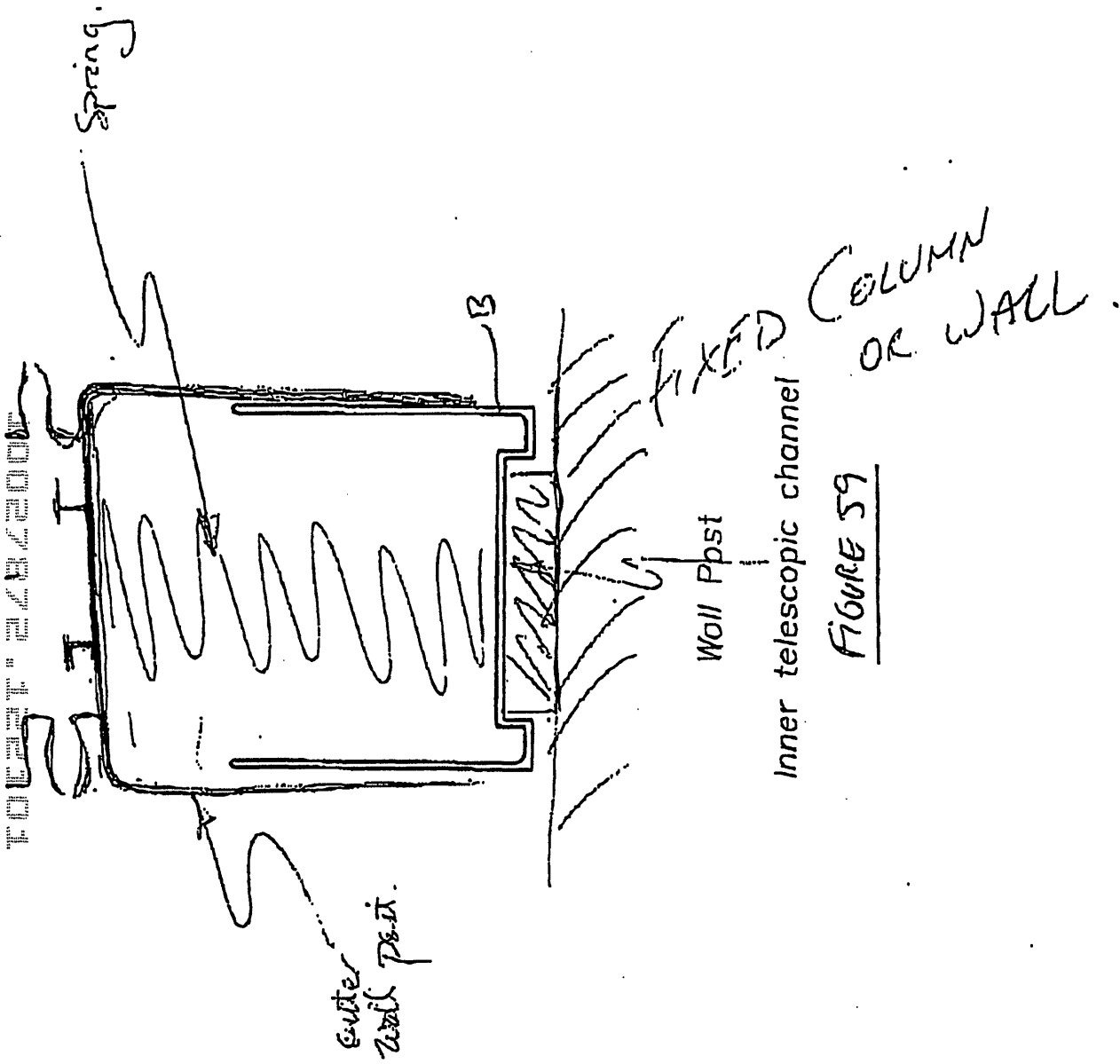


Wall Post

Inner telescopic channel

FIGURE 58

51/60



J.J.

Expedit: Leger Robic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612-4728
Sheet 52 of 60

JetFax #919; Page 90/98

52/60

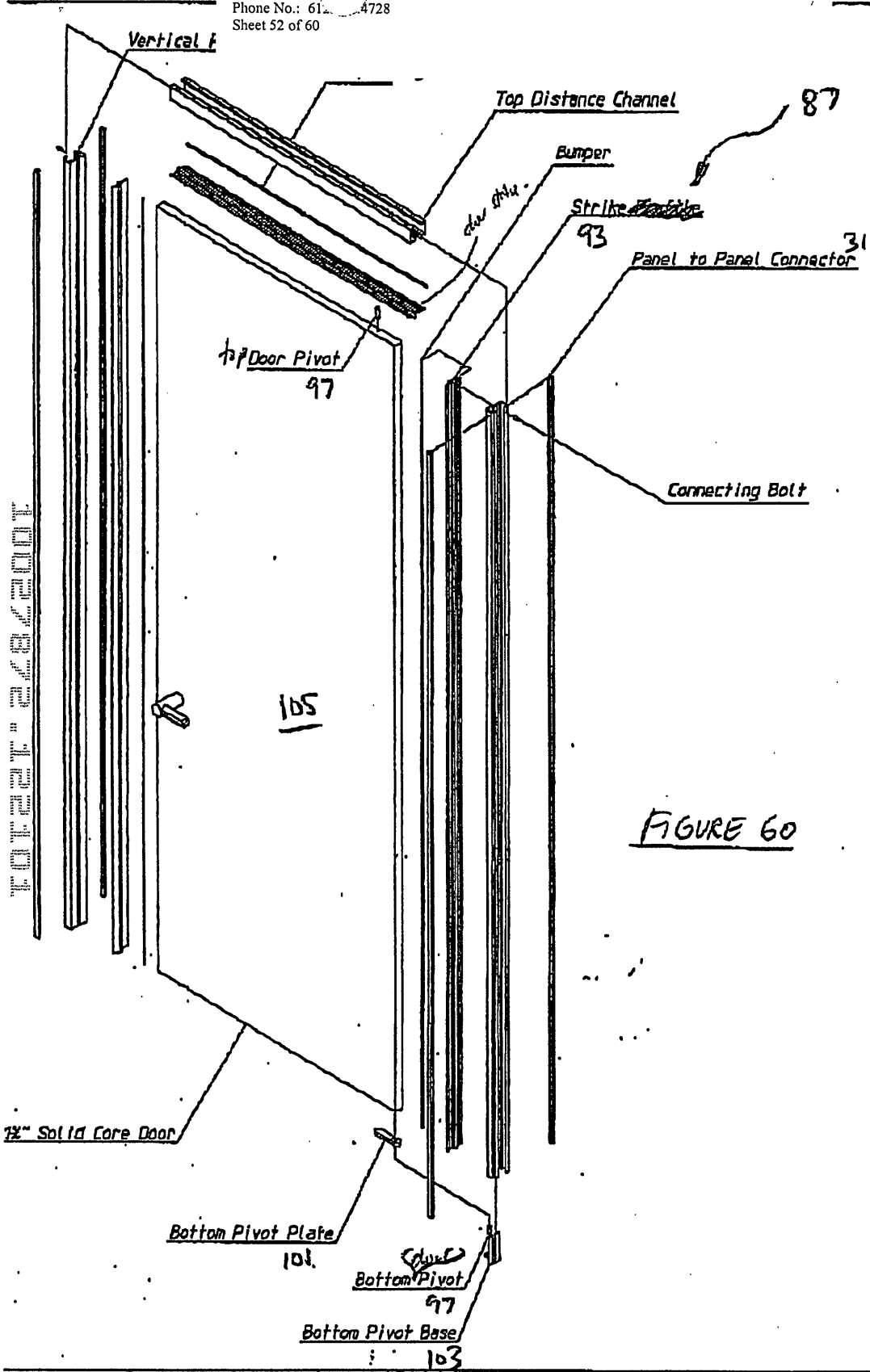
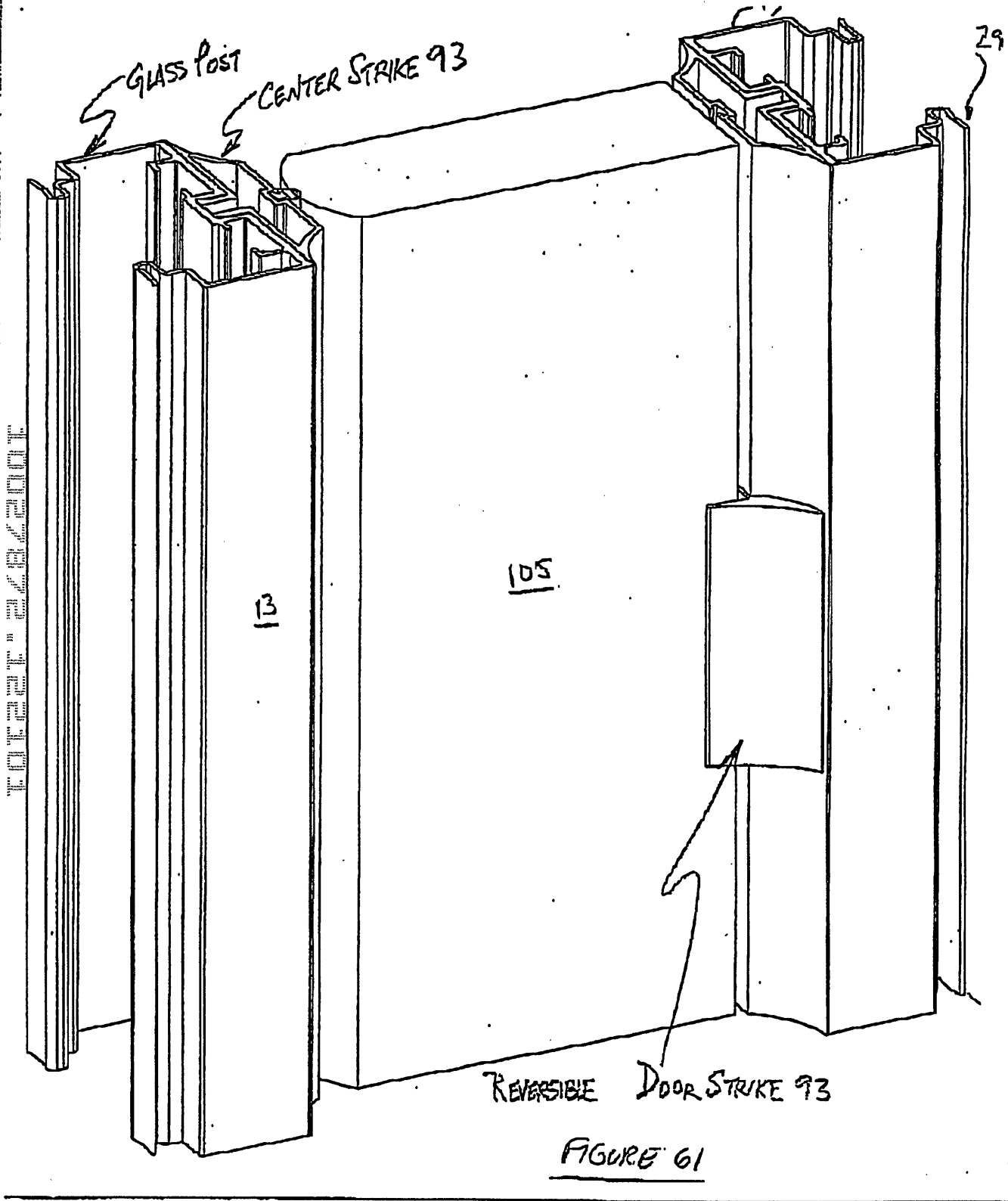


FIGURE 60

53/60



54/60

FIGURE 62

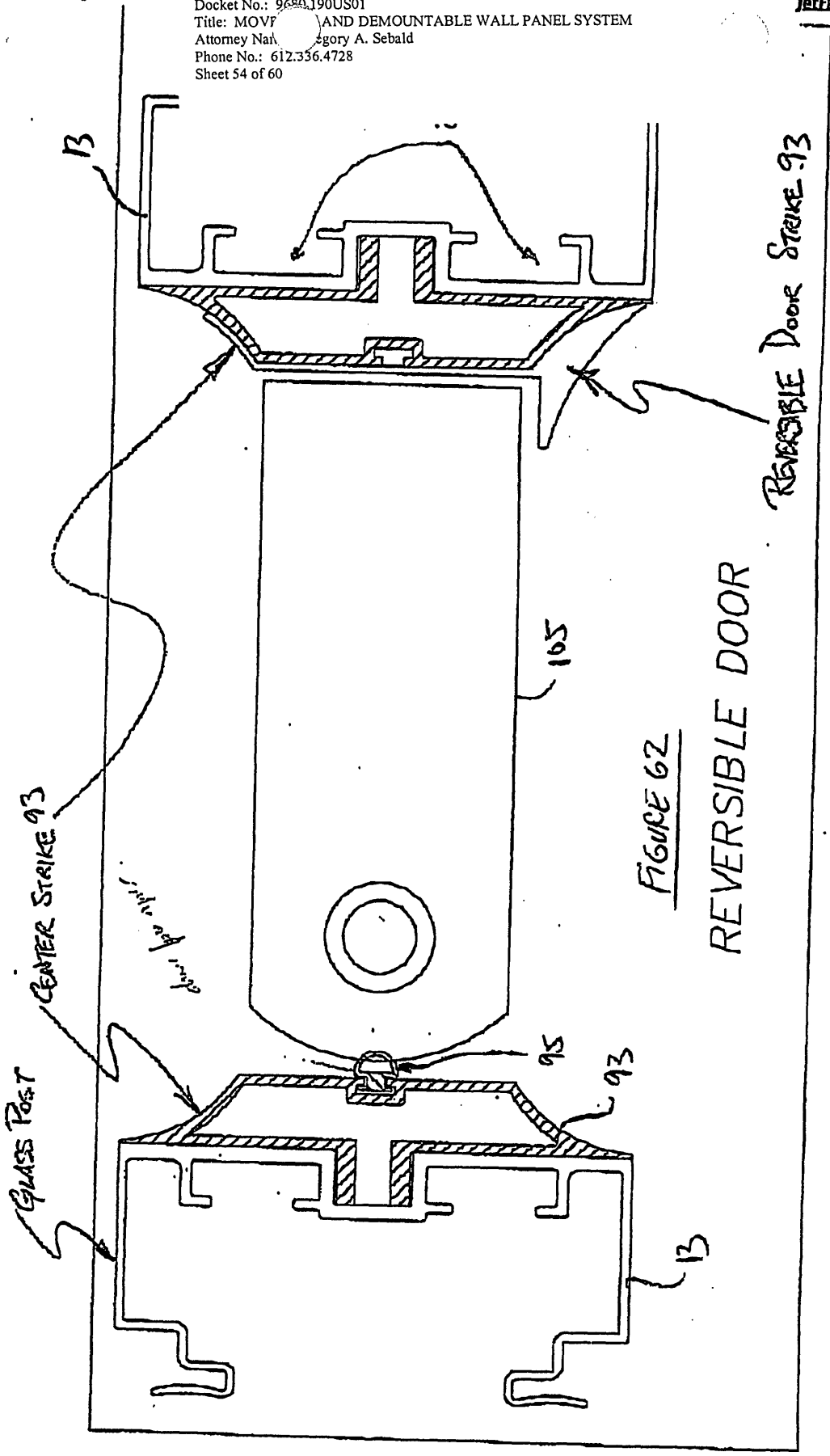


FIGURE 62

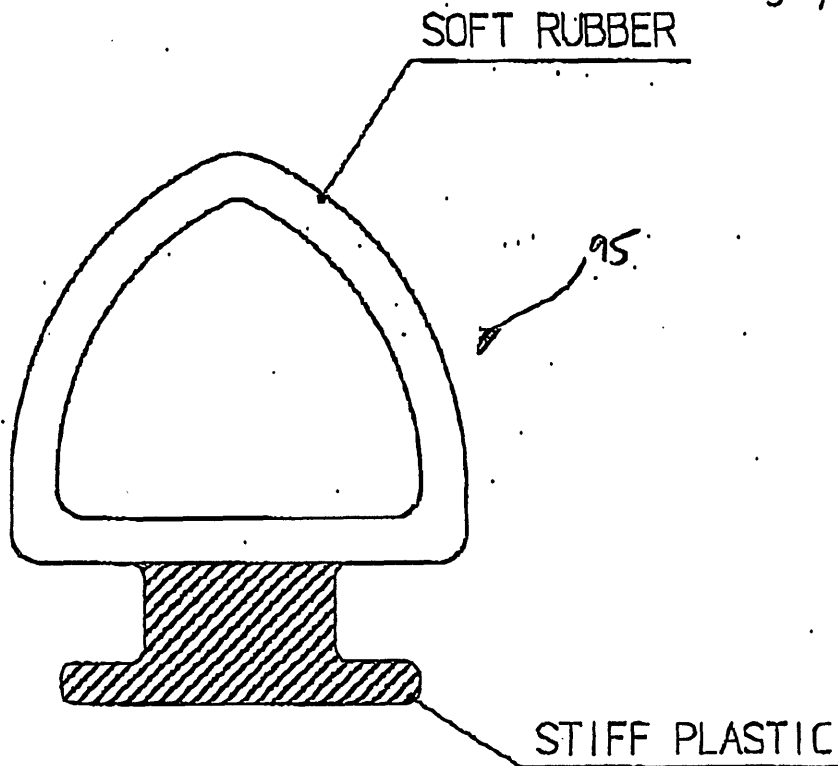
Expedit: Leger Robic R1

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney: Gregory A. Sebald
Phone No.: 336.4728
Sheet 55 of 60

Ex #919; Page 93/98

55/60

EE



Door Bumper Profile

TPE / Polypro Coex

FIGURE 63

FOR REFERENCE

Expédit: Leger Robic R

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 90190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 56 of 60

Fax #919; Page 94/98

56/60

FOR SET ASSEMBLY

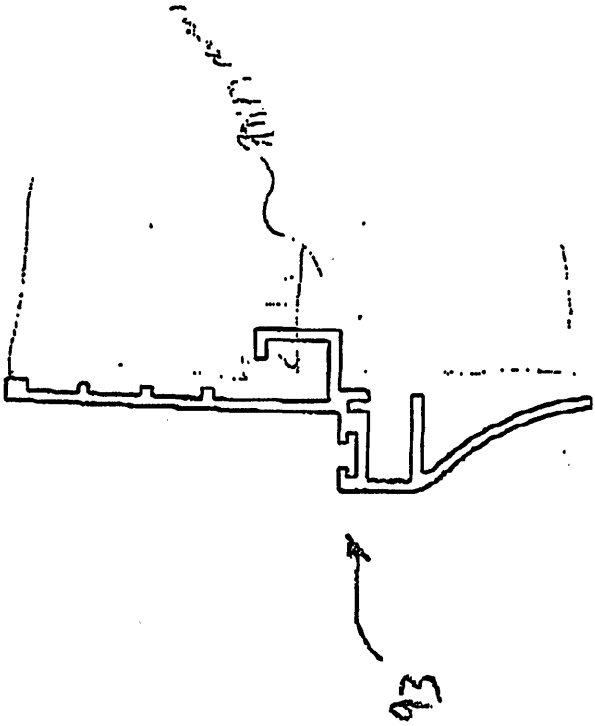


FIGURE 64

Door Strike

BSS

Expedite: Leger R0D1c

Inventor: VON SYNINGEN HUENE et al.
Docket No.: 98-00501
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 58 of 60

JetFax #919; Page 96/98

7/8/60 00

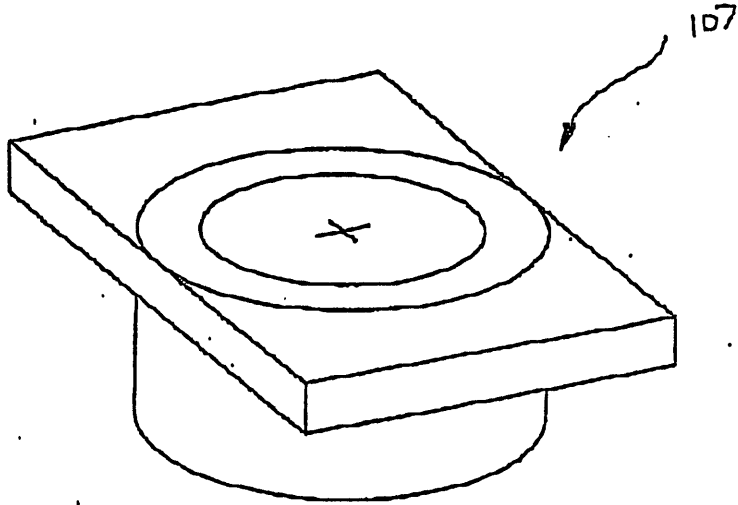


FIGURE 66

TOP PIVOT BUSHING

TOP PIVOT BUSHING

Expedit: Leger Robic F

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 95-190US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 59 of 60

etFax #919; Page 97/98

59/60

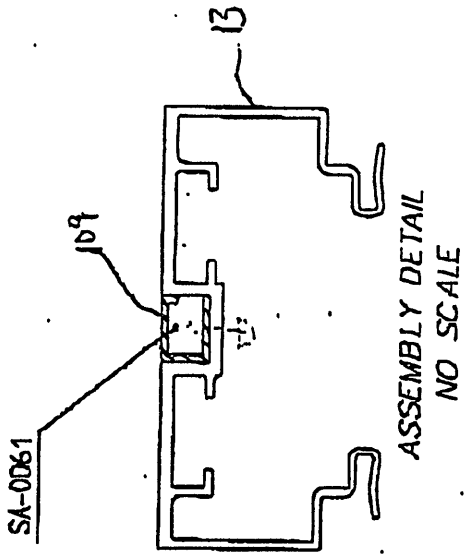


FIGURE 67

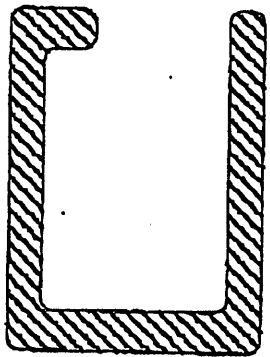
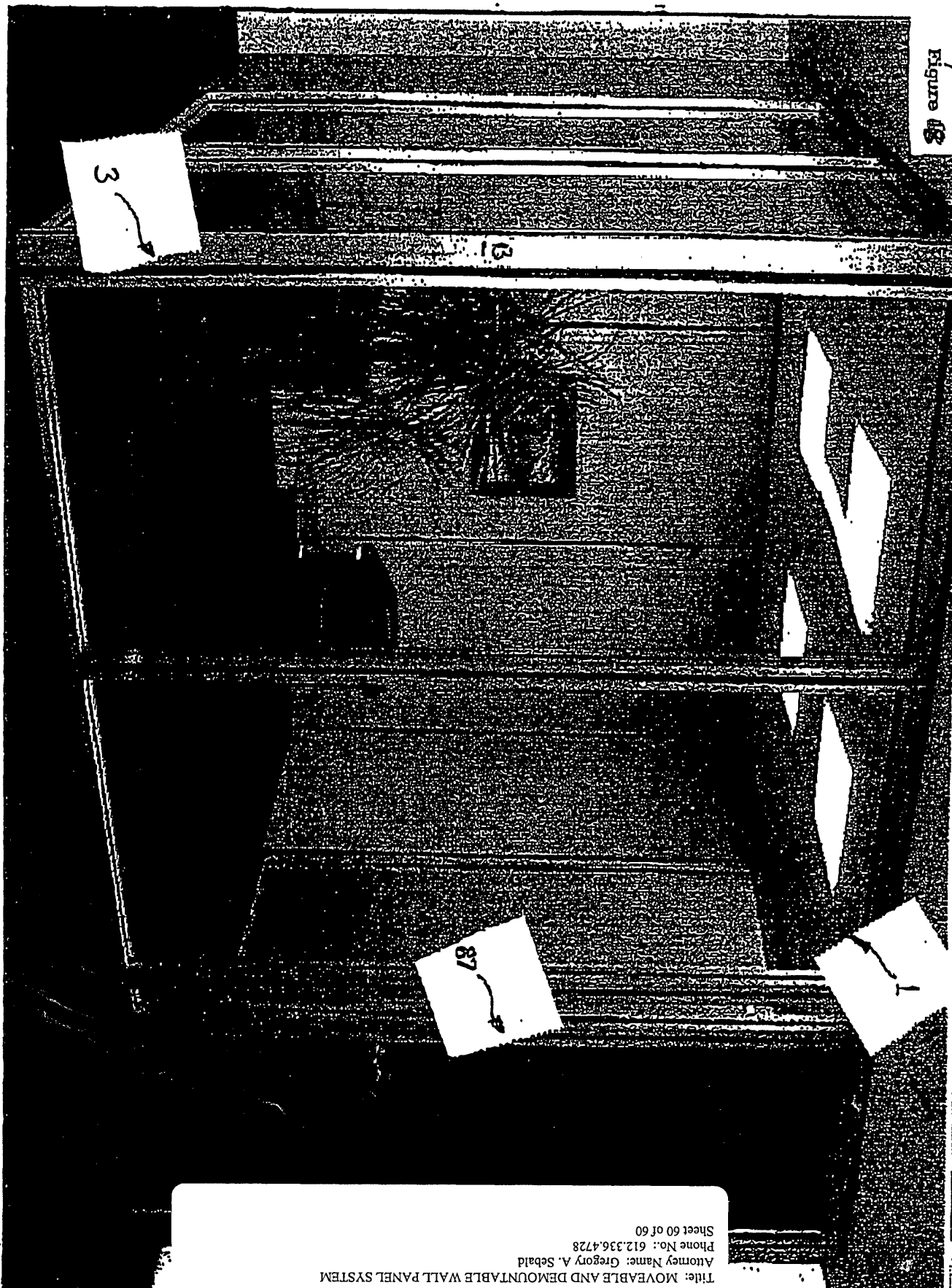


FIGURE 67

na

Figure 18



Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 60 of 60

160

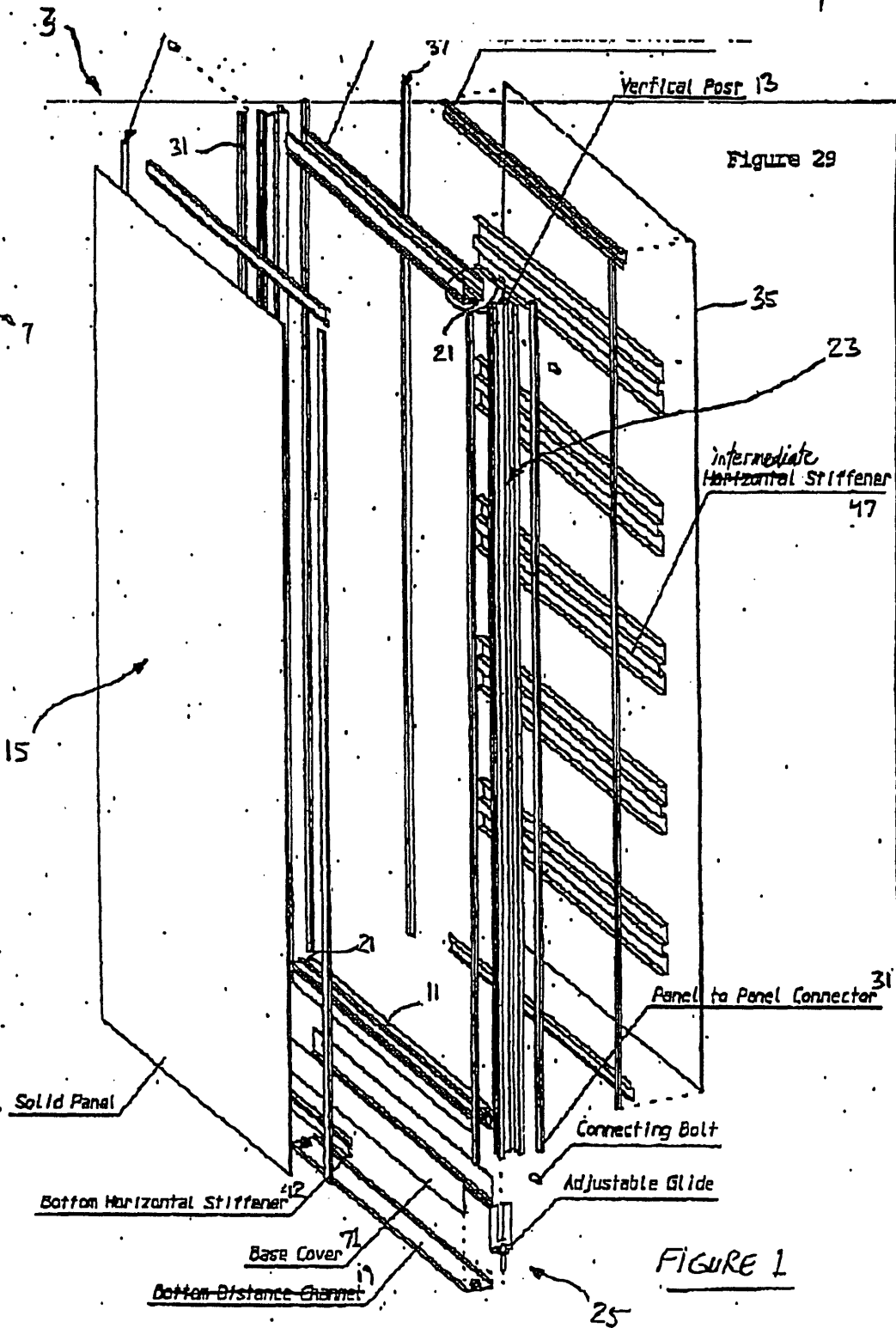


Figure 29

FIGURE 1

EDERHARD VON HUENE & ASSOCIATES 264, Allee Vincent Westerville, (Ohio)	TITLE: Genius Wall System Solid Panel - Exploded View	Part of no.
	This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or translation of this drawing in whole or in part.	Drawn by
	SCALE	DATE: Apr 17 2000

2/60

DRAWING

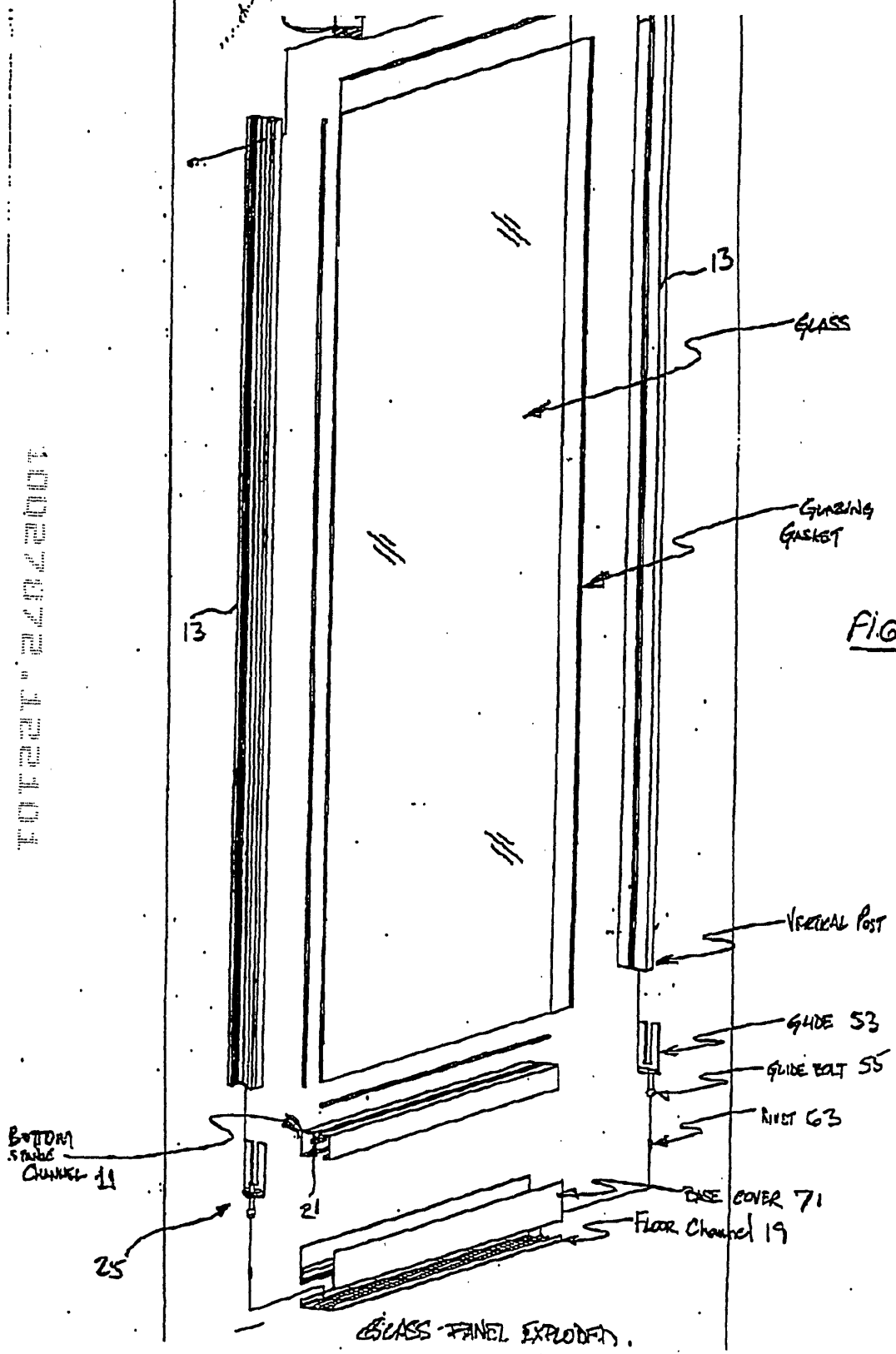


FIGURE 2

FOR REFERENCE

1/60

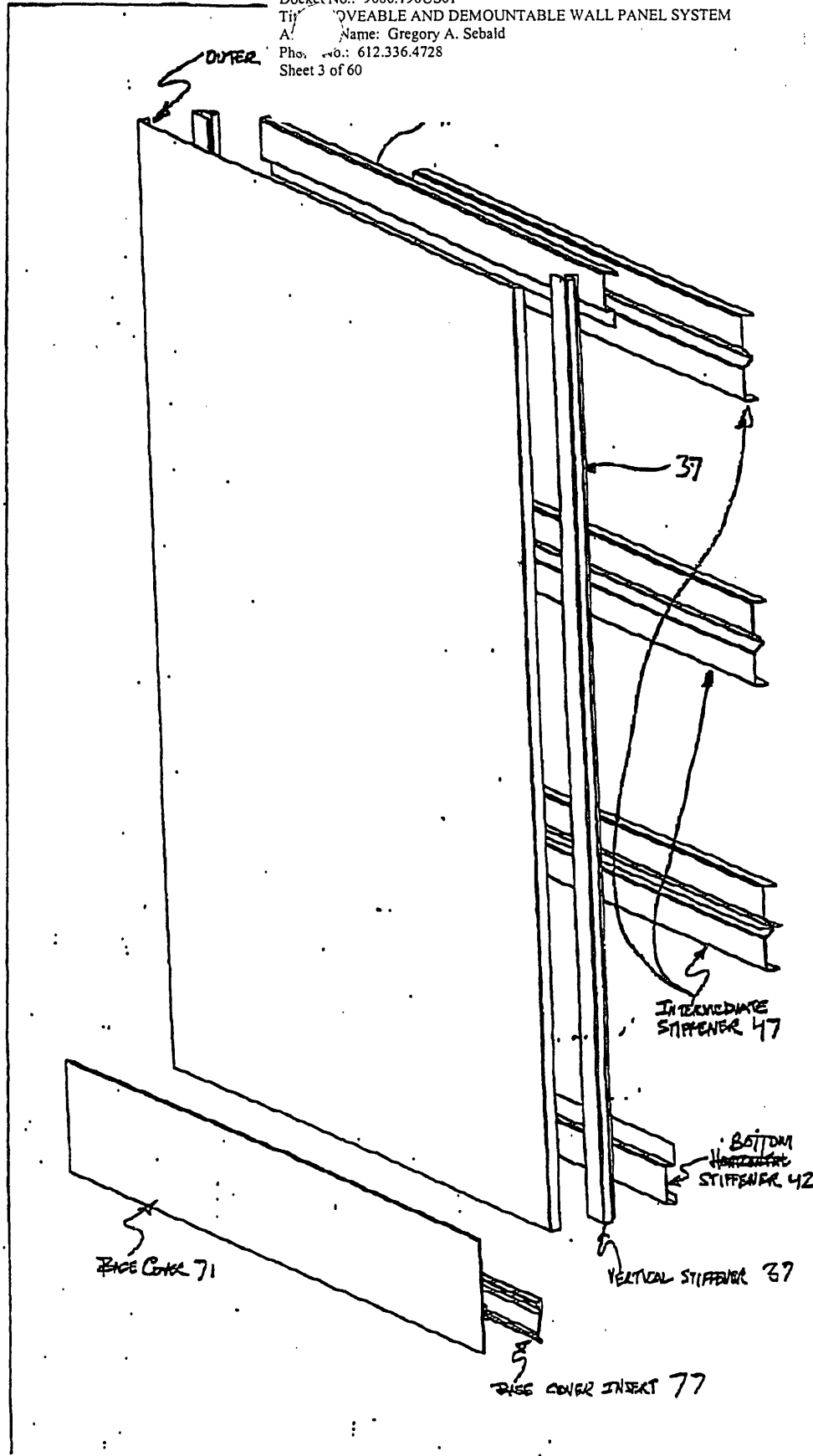


FIGURE 3

3/60

4/60

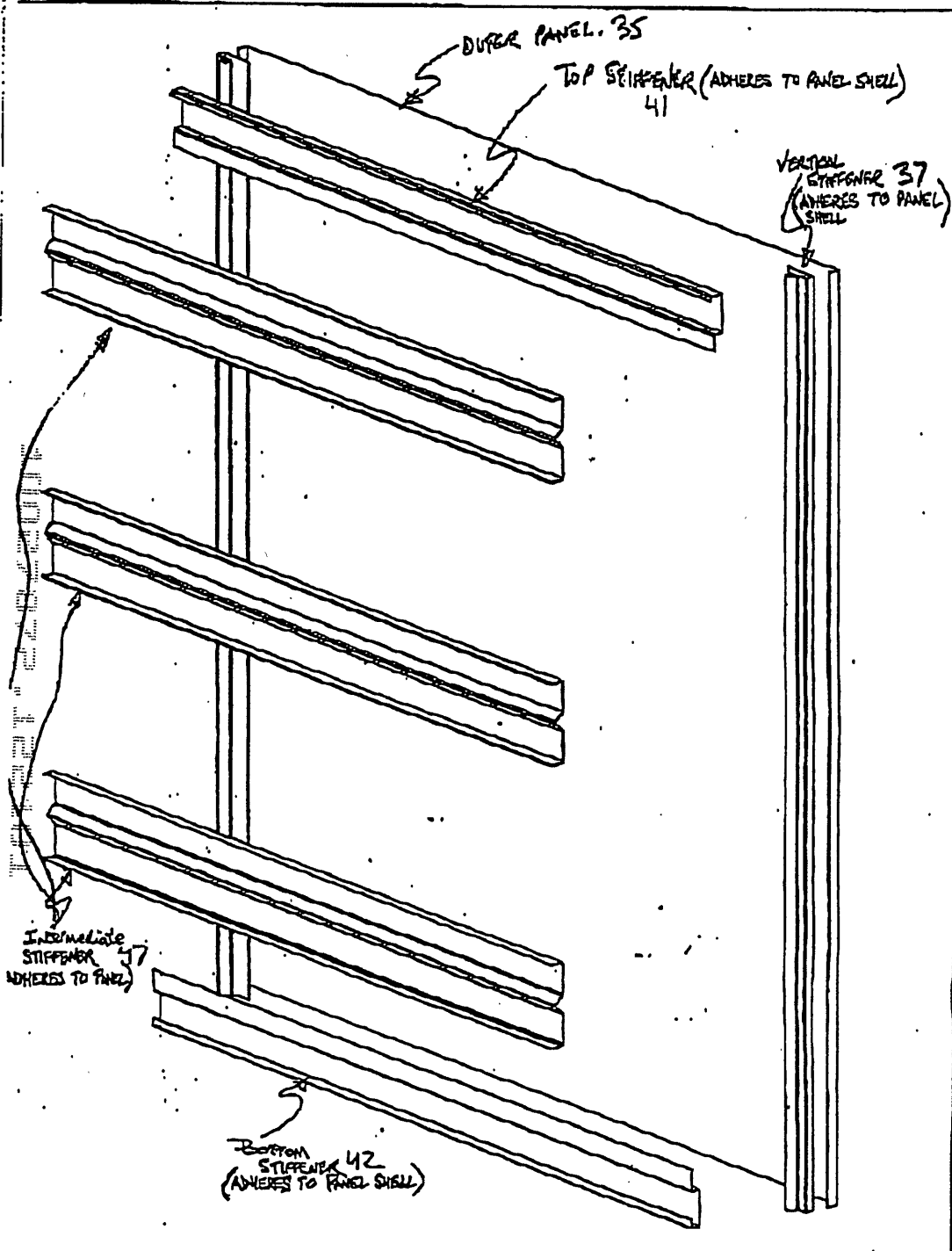


FIGURE 4

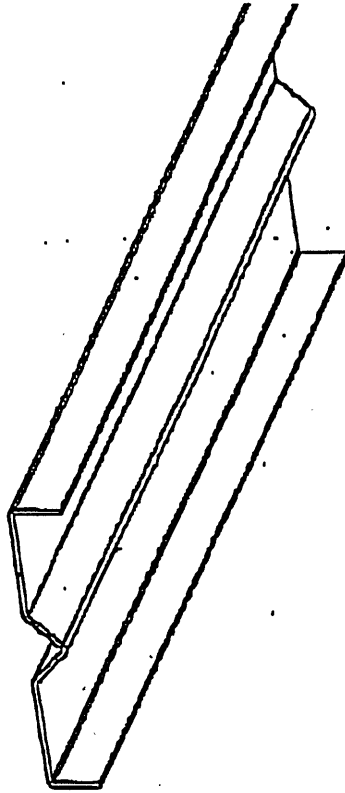
OUTER Panel Construction

FFF

5/60

FIGURE 5

47



*Intermediate Stiffener Profile
Solid Panel Shell*

FIGURE 6

47



10027072-1004

6/60

DRAWING V

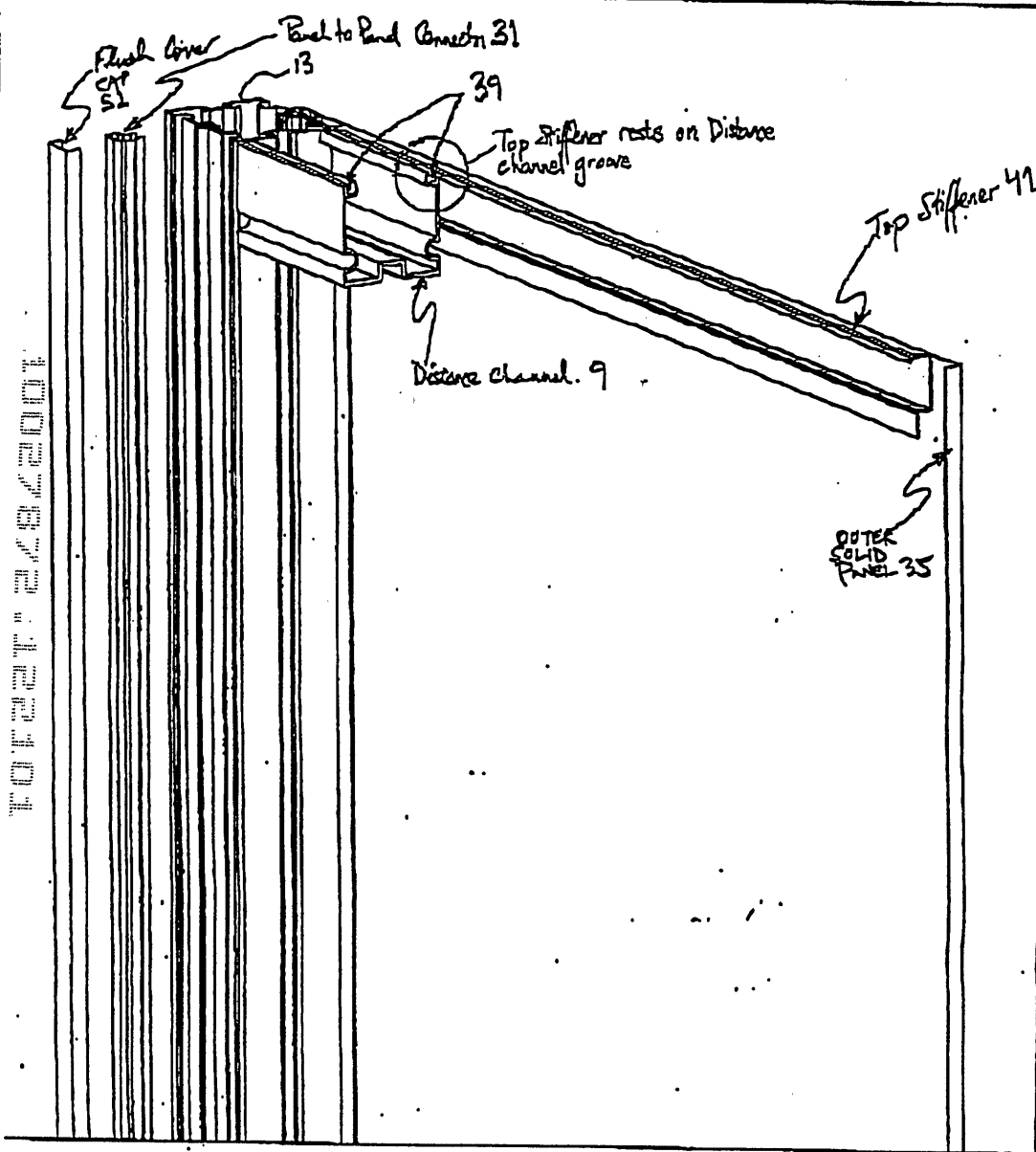


FIGURE 7

TOP connector is a flush panel.

TOP SECRET

7/60

FIGURE 8

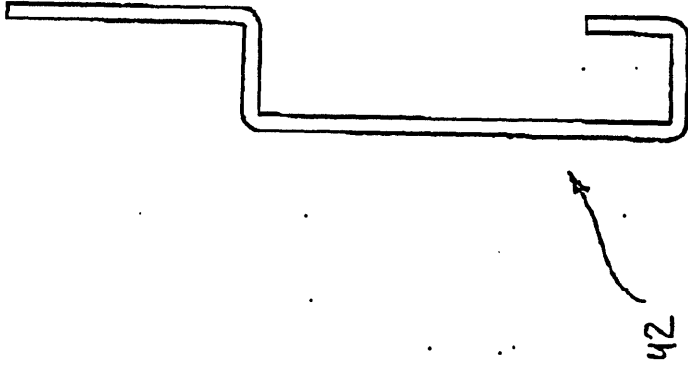


FIGURE 9

Bottom Stiffener

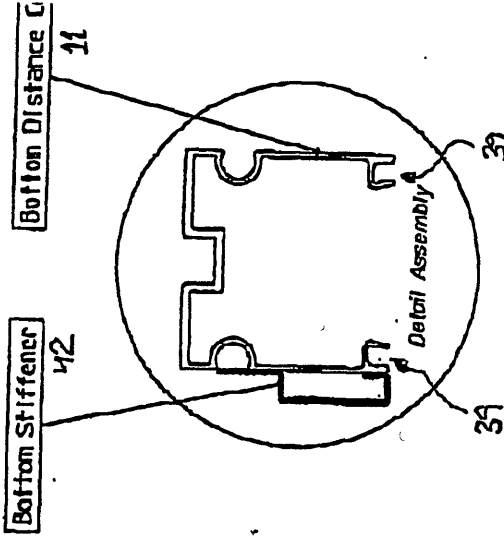


FIGURE 8

999

8/60

FIGURE 10

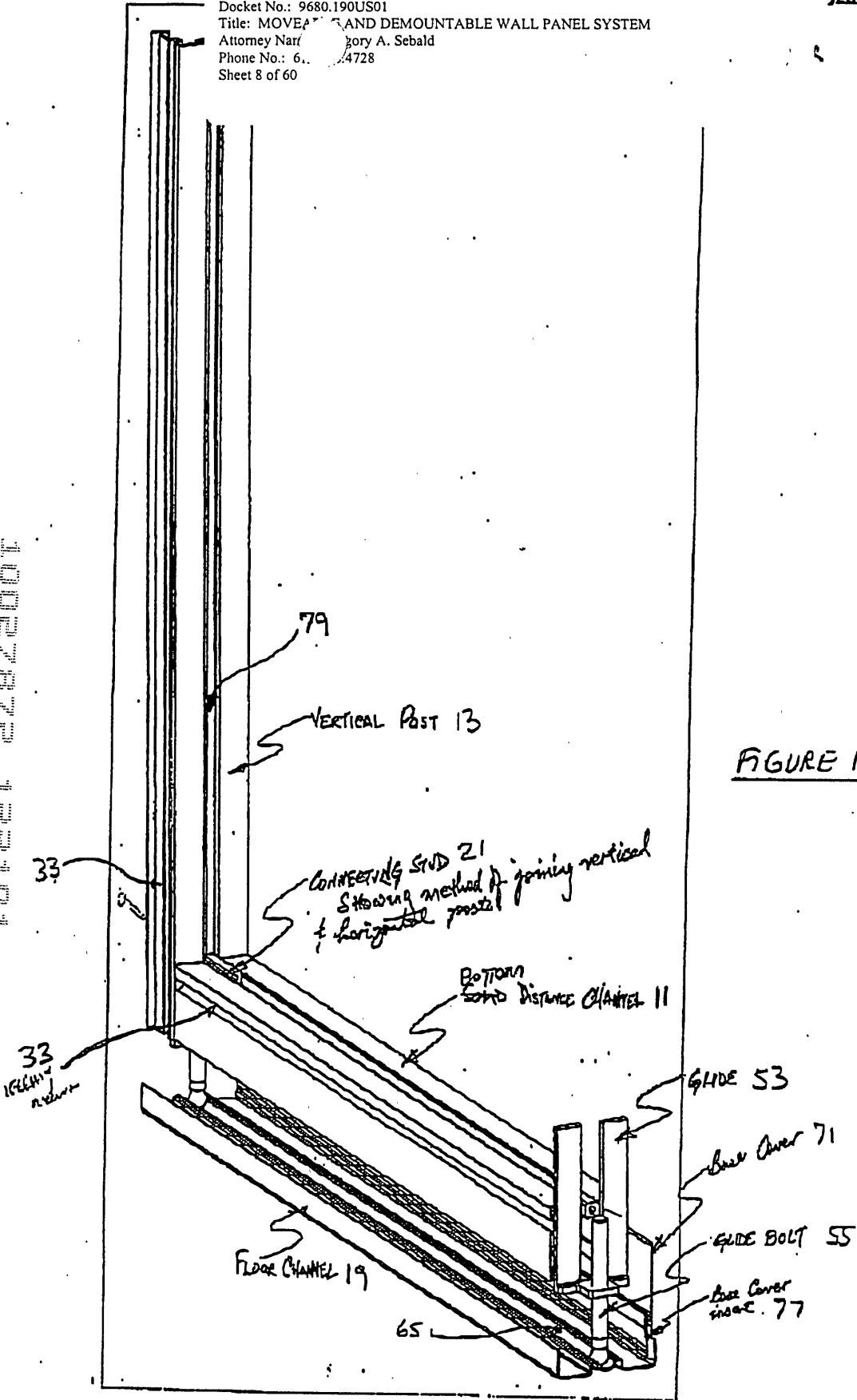
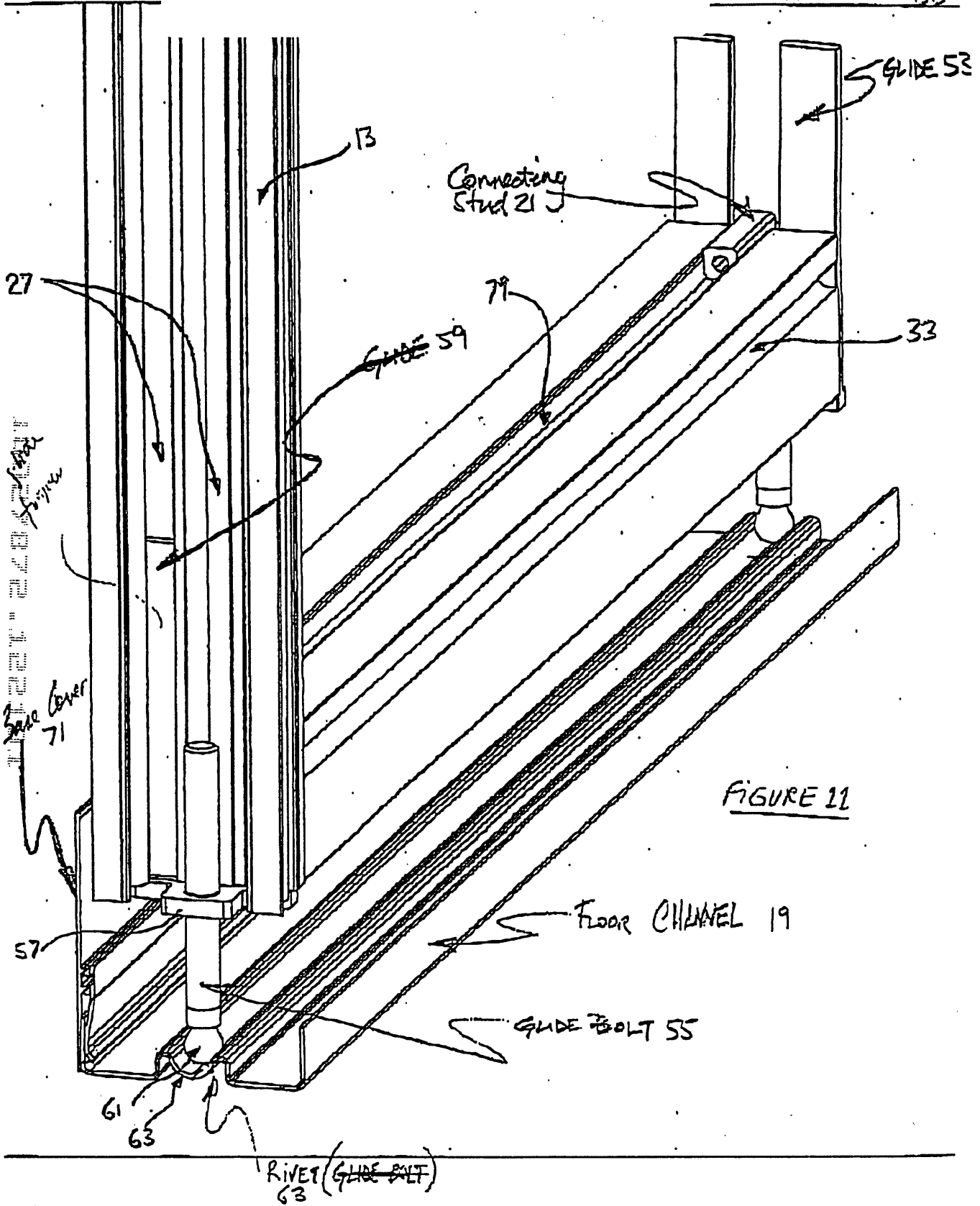
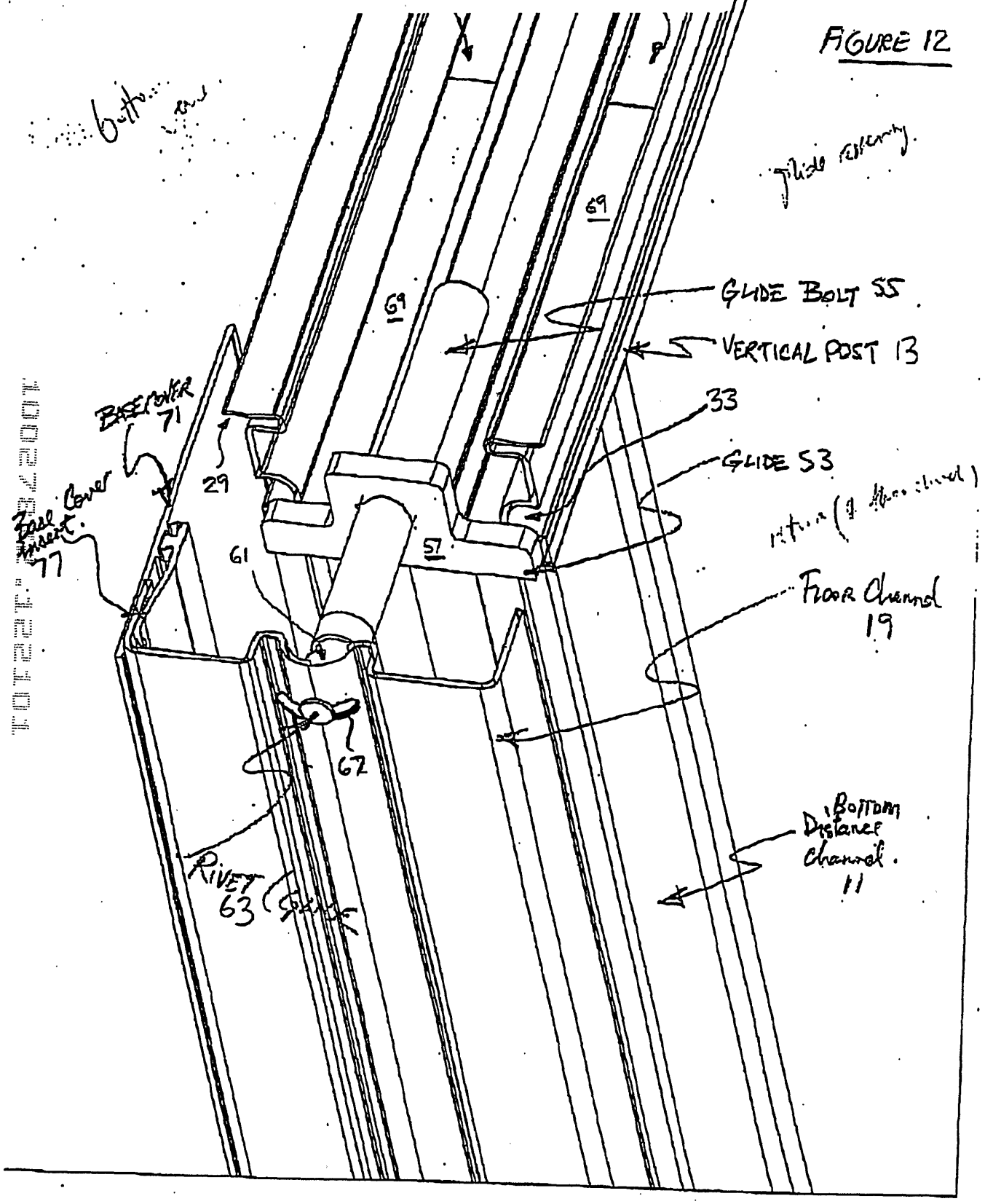


FIGURE 10



2 2/3 1/2 AA

FIGURE 12



FOR REFERENCE

12/60

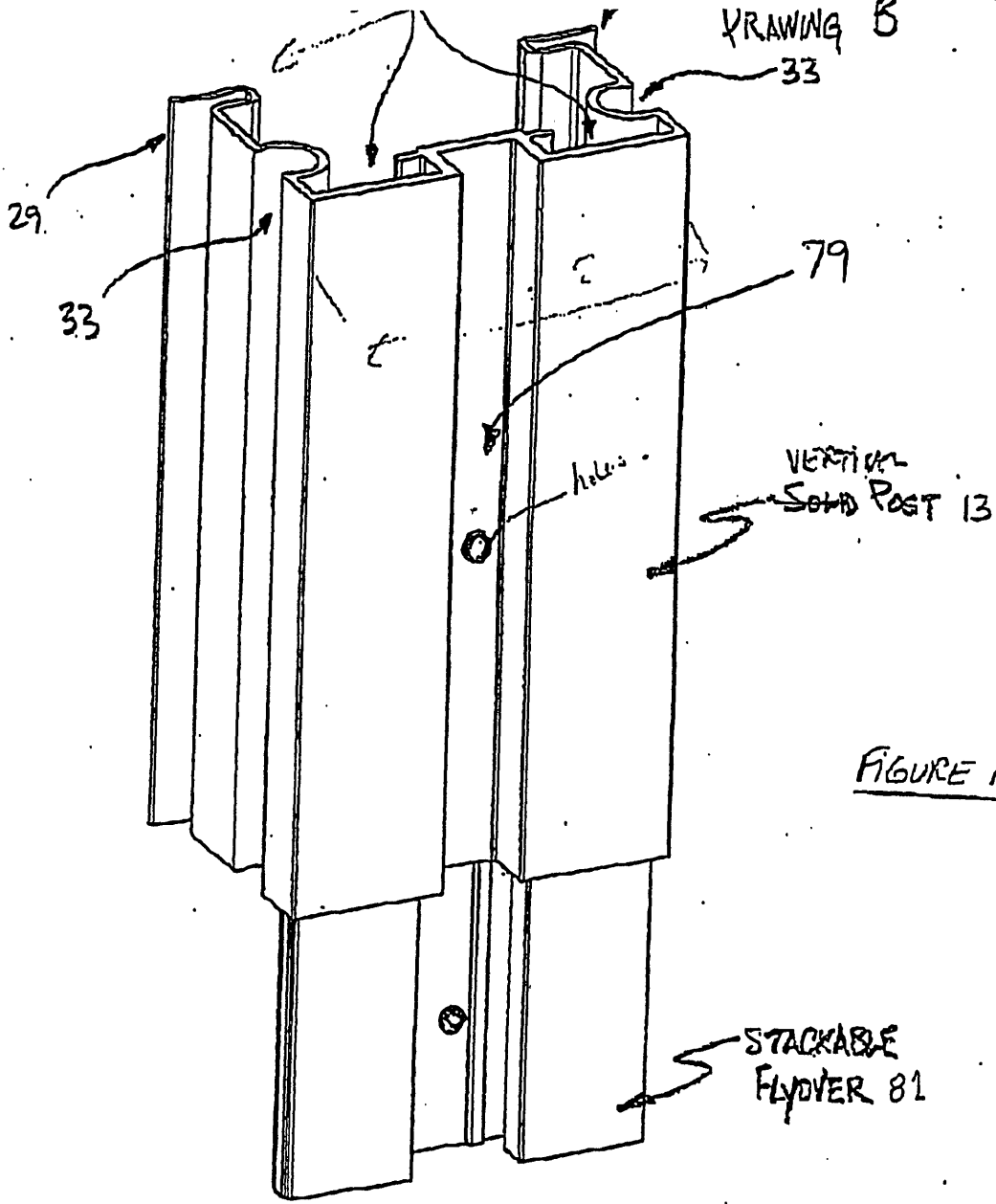


FIGURE 14

FOR PAGES 24-25

13/60

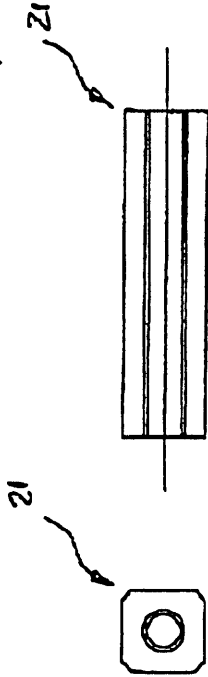


FIGURE 16

FIGURE 15

CONNECTING STUD

FOR THE "2000" SERIES

CCC

14/60

DRAWING C

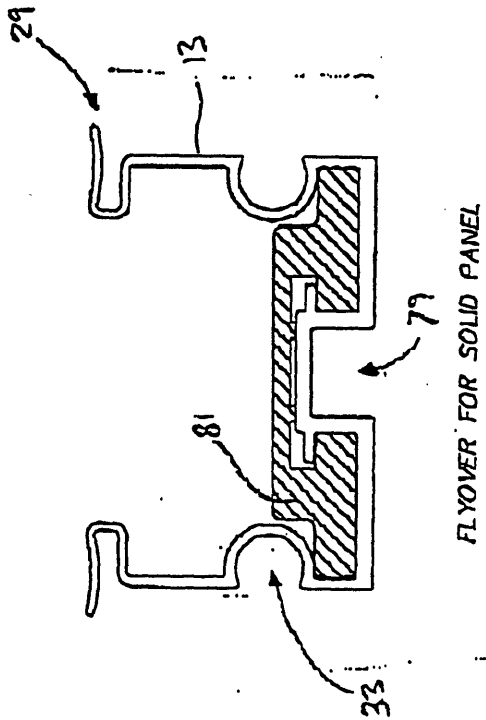


FIGURE 17

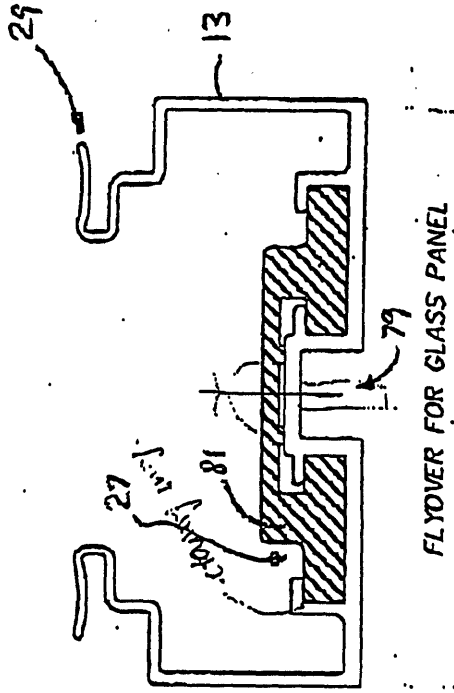


FIGURE 18

STACKABLE FLYOVER

15/60

FOOTER 2422007

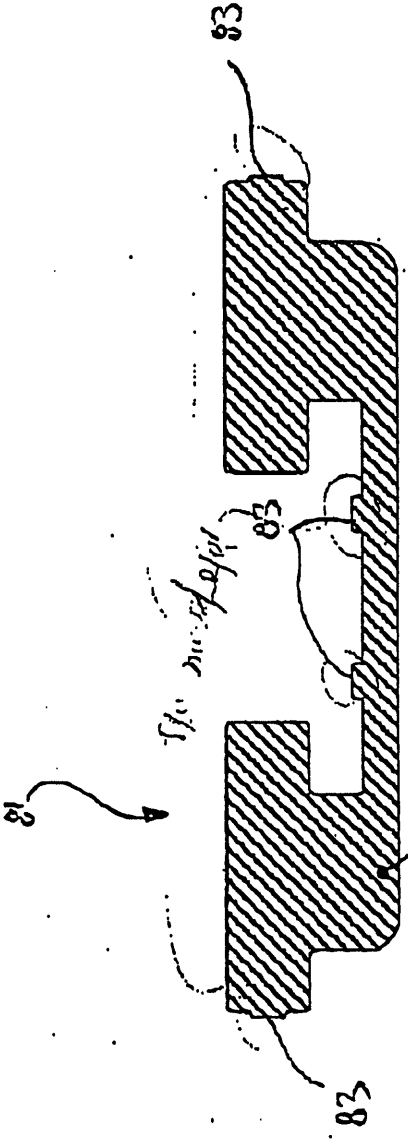
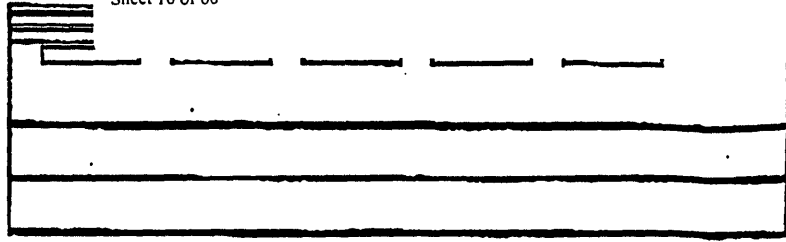


FIGURE 19

FLYOVER

11

QQ
16/60



B

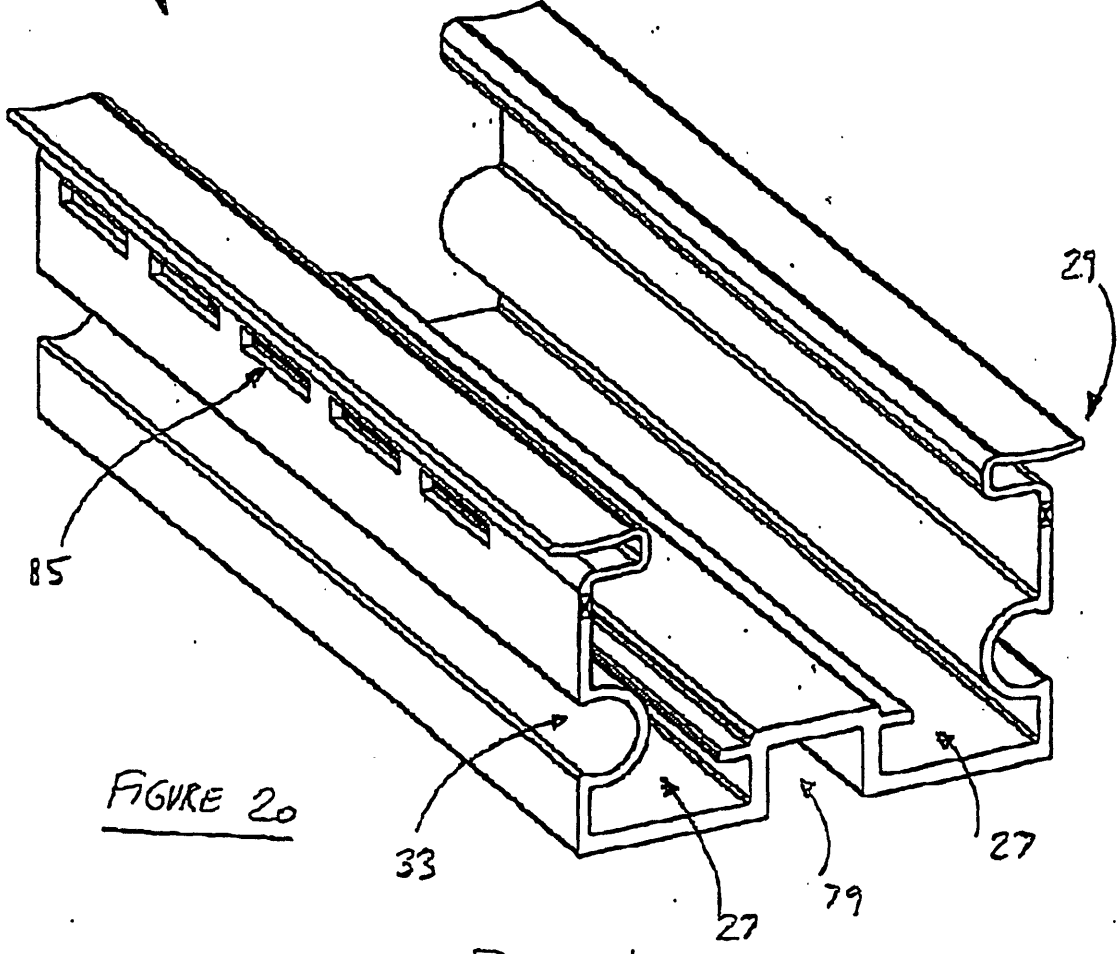


FIGURE 20

Punch
Solid Panel
VERTICAL POST

FOR SET 242007

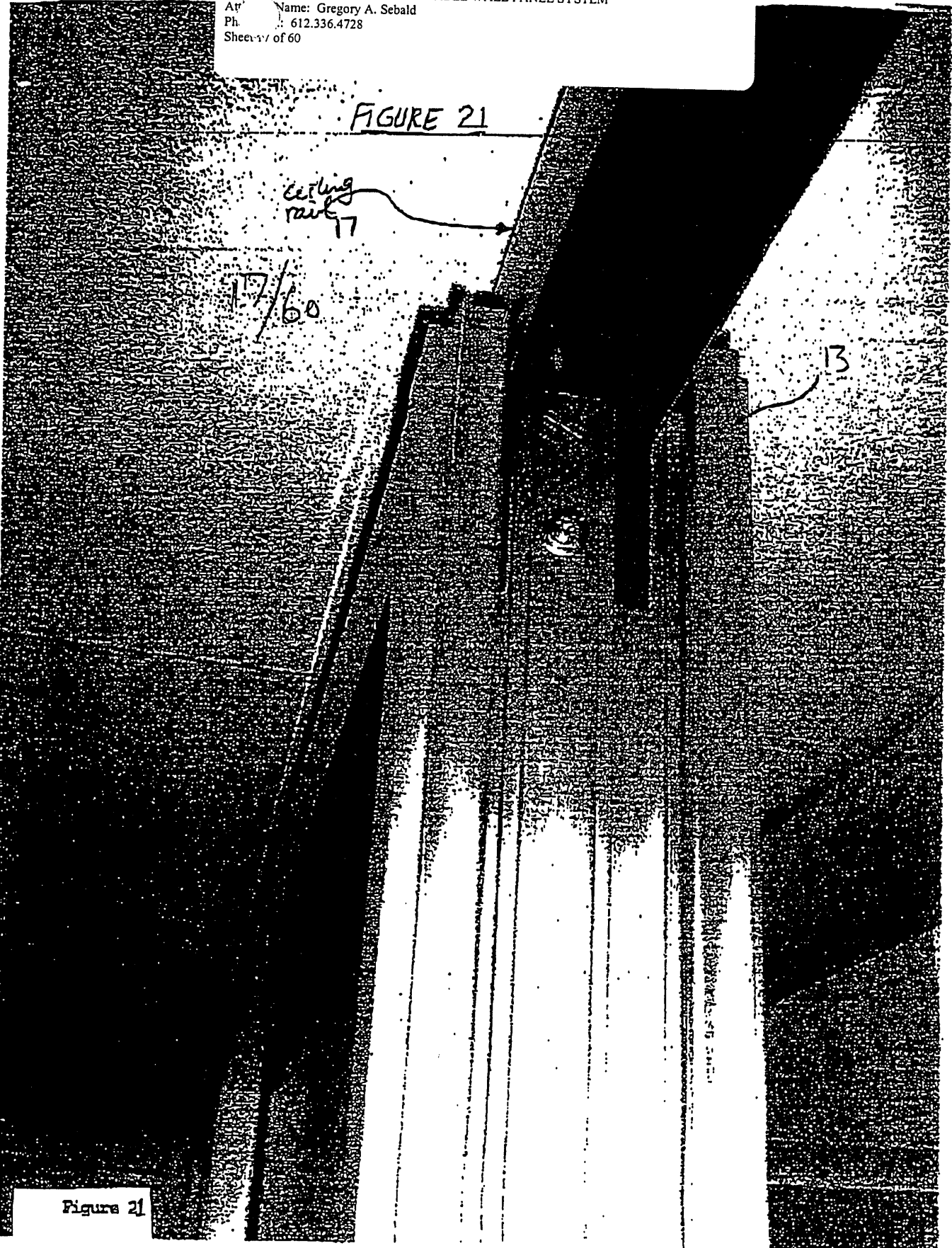


Figure 21

FOR 2004-2005

18/60

Plating 51

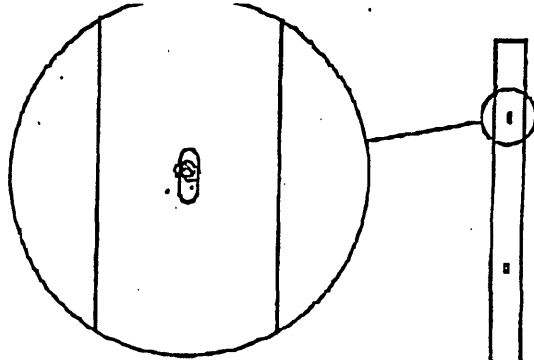
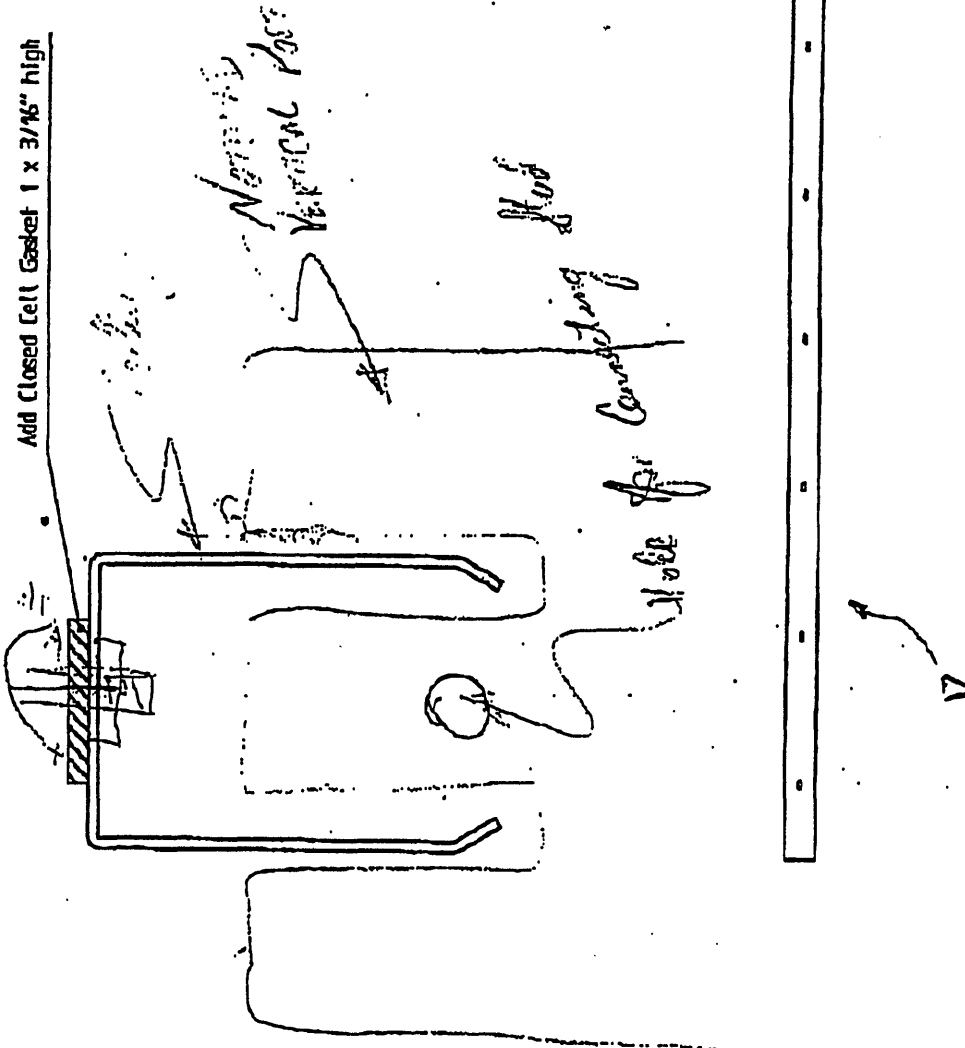


FIGURE 22

CEILING RAIL
Recessed

FIGURE 22

Add Closed Cell Gasket 1 x 3/16" high



19/68

NOVELTY:

SPINDLE ROTATES FREELY AROUND 3 AXIS WITHOUT FURTHER PARTS AND ASSEMBLY.
FASTENER CAN BE DE-COUPLED FROM SPINDLE FOR MAINTENANCE OF FLOOR CHANNEL

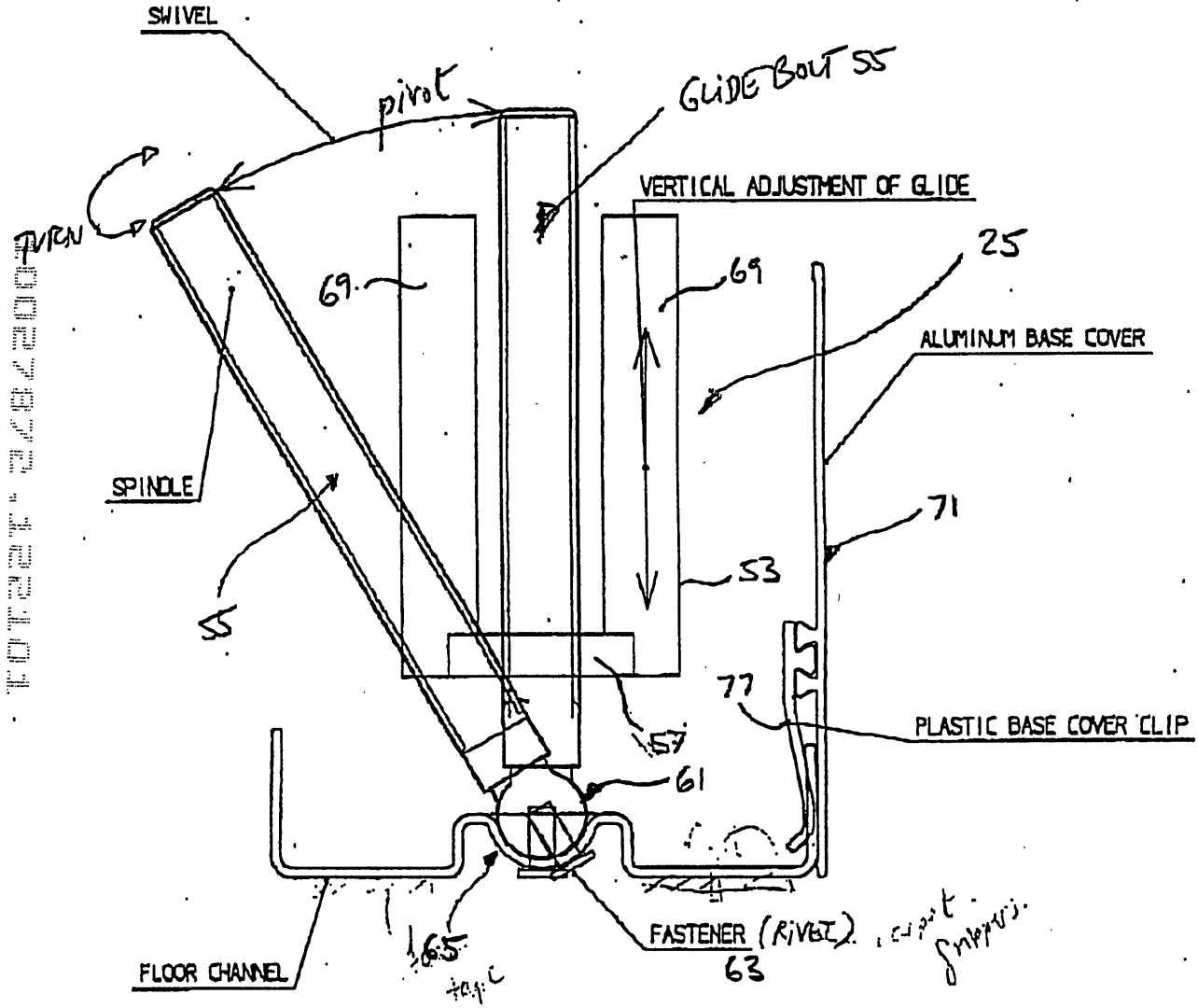
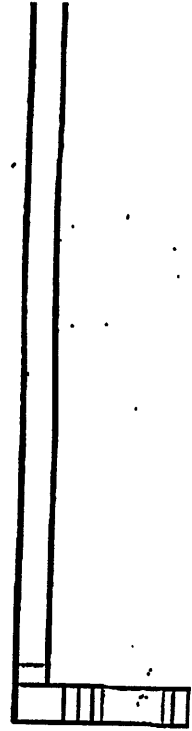
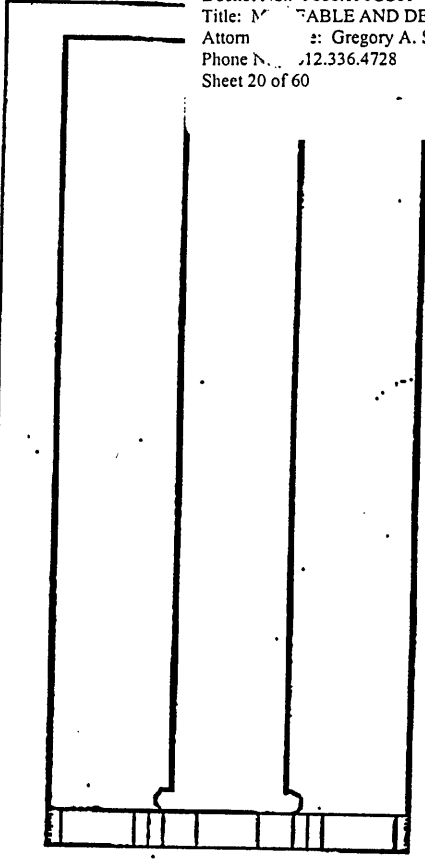
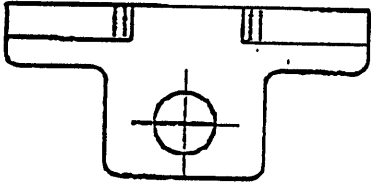


FIGURE 23

AAA
20/60



FOR FIG. 19



53

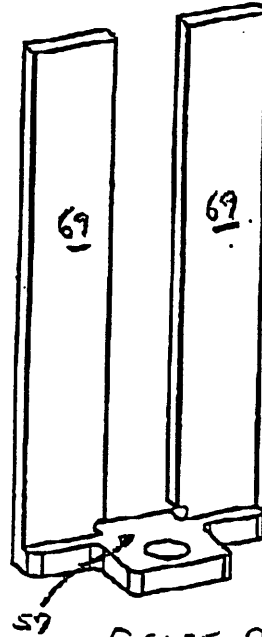


FIGURE 24

GLIDE

21/60

FOR THE RECORD

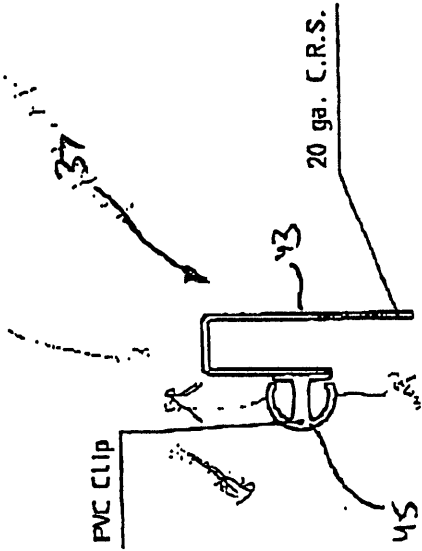


FIGURE 26

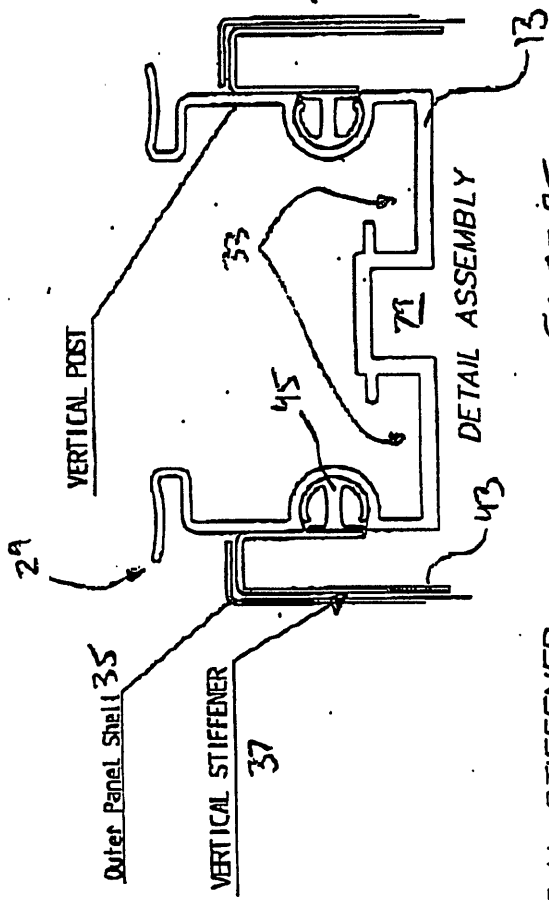
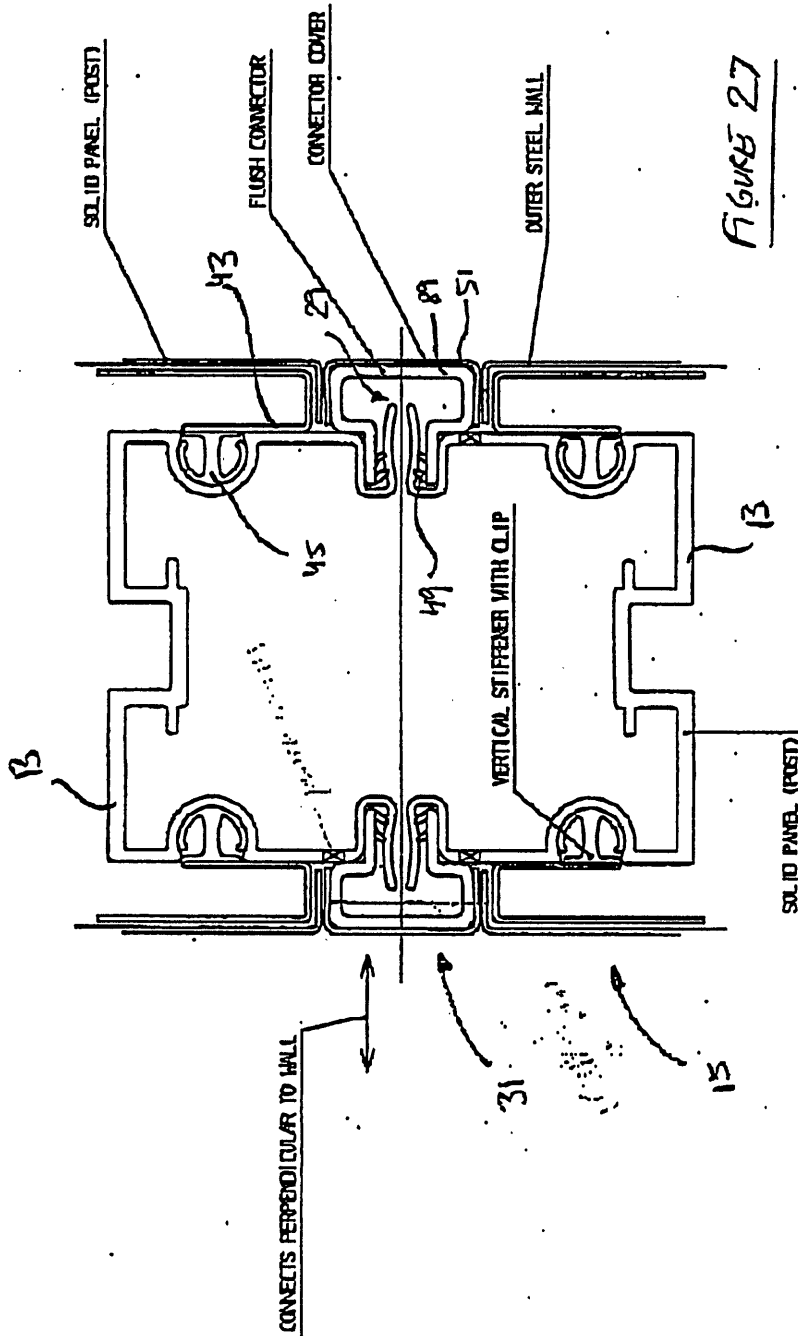


FIGURE 25

VERTICAL STIFFENER

22/60

FOR REFERENCE DRAWING



FLUSH CONNECTOR
WITH ALU. CAP
SOLID/SOLID CONDITION

TOP LEFT DRAWING 711

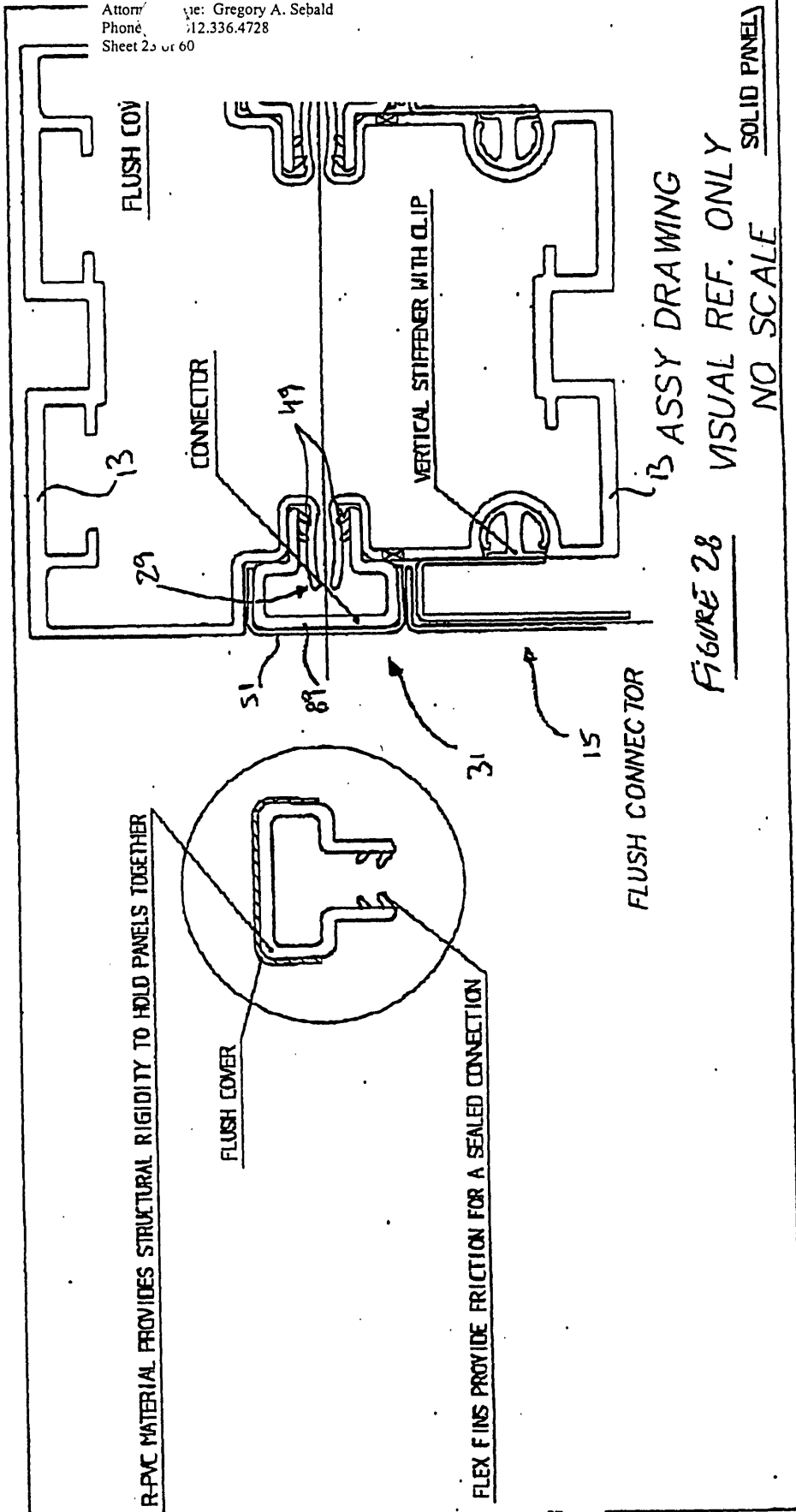
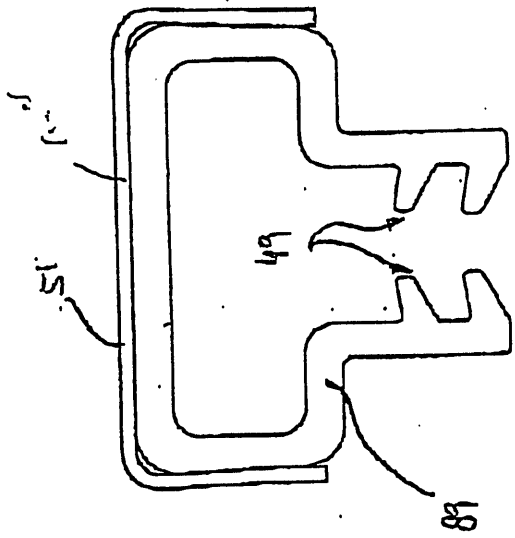


FIGURE 28
ASSY DRAWING
VISUAL REF. ONLY
NO SCALE

23/60

FIGURE 29 DRAWING N



VISUAL REF. ONLY

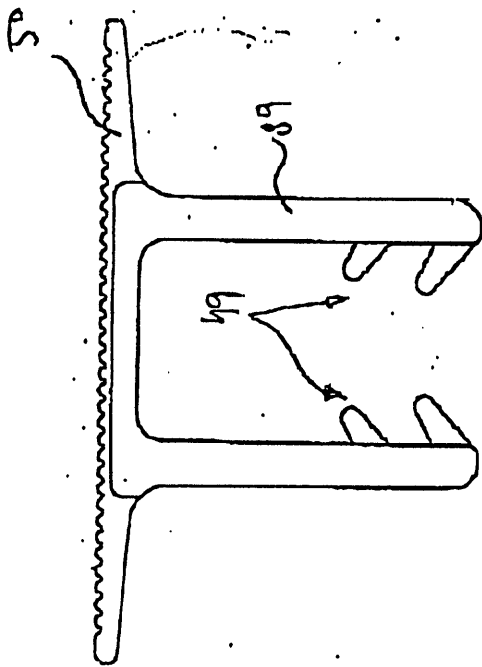
FIGURE 29

NOTES:

24/60

MATERIAL : 28 ga. ALU.

DRAWING P



ACTUAL SIZE

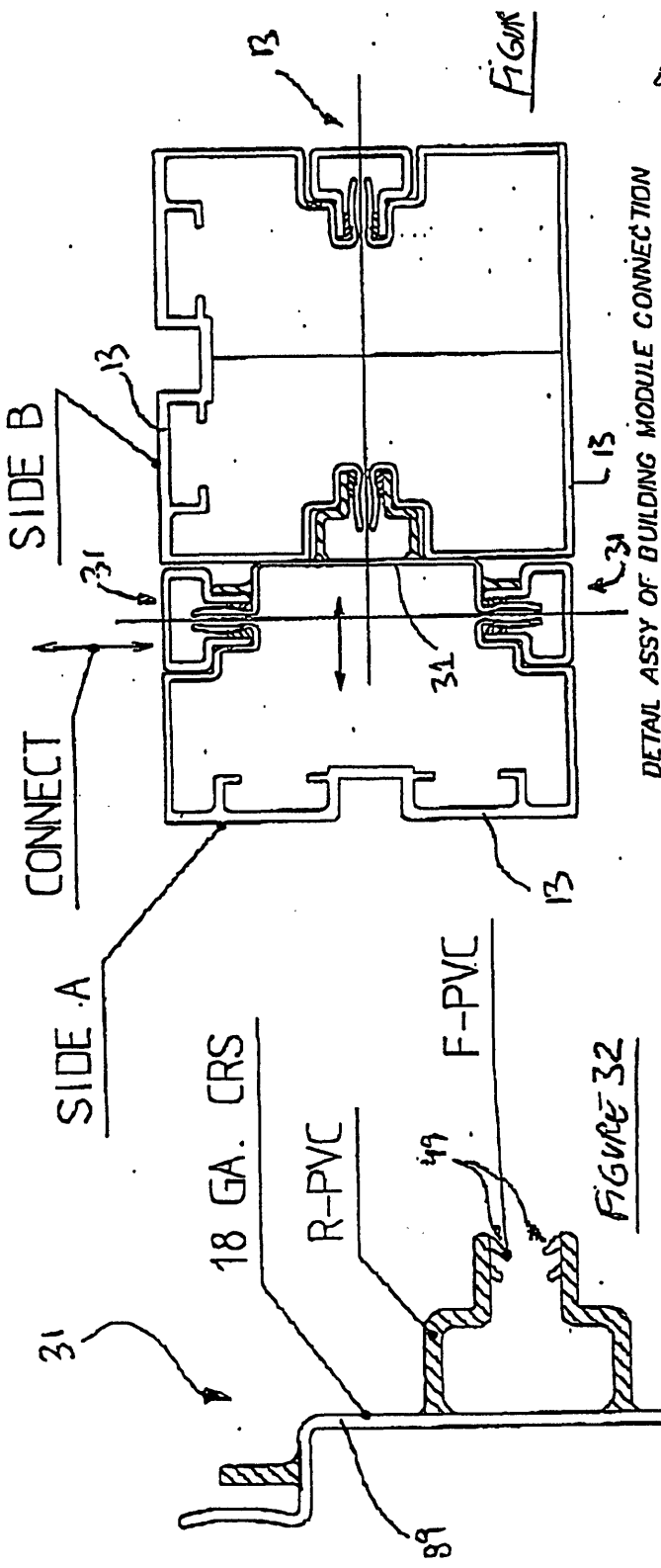
FIGURE 30

RECESSED CONNECTOR EXTRUSION

25/60

26/60

FOR THE INVENTORS

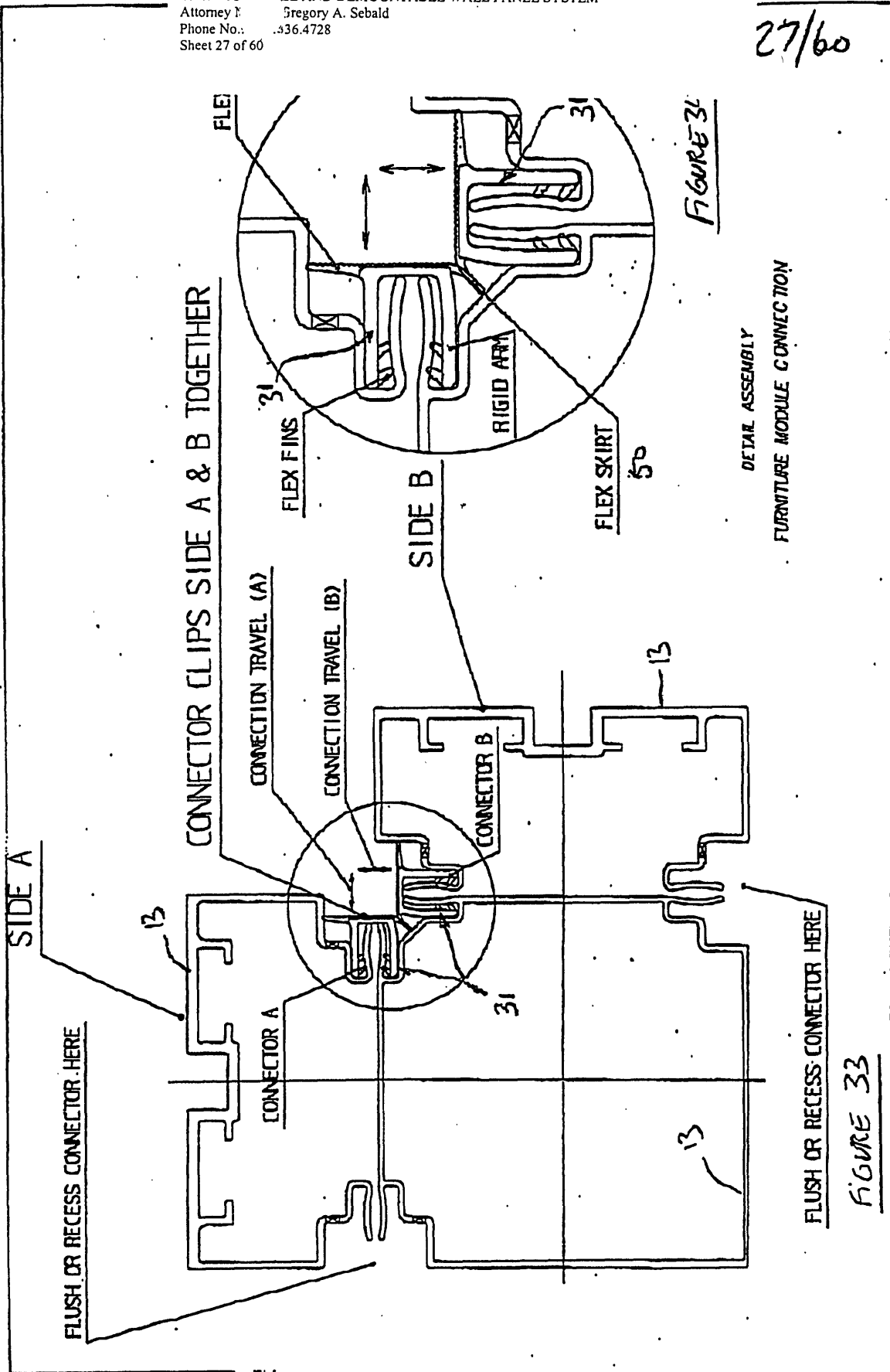


NOVELTY:
 BUILDING MODULE CONNECTOR ALLOW ADJACENT 90° CORNERS
 TO CONNECT IN A NON-PROGRESSIVE MANNER
 R-PVC

BUILDING MODULE
 CONNECTOR

27/60

FIGURE 33 DRAWING K



FLUSH OR RECESS CONNECTOR HERE
FIGURE 33

DETAIL ASSEMBLY
FURNITURE MODULE CONNECTION

FIGURE 31

28/60

FOR DRAWING L

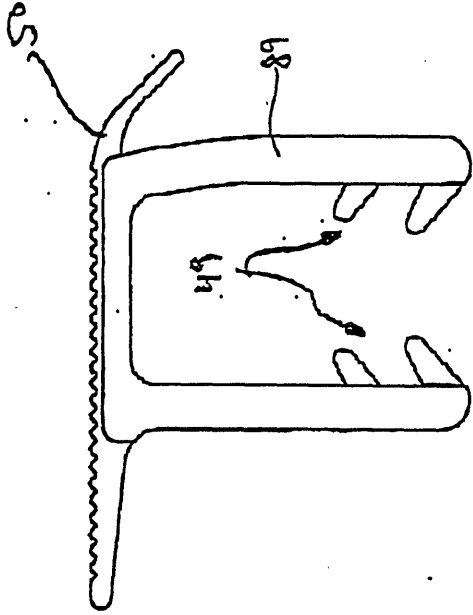


FIGURE 35

FURNITURE MODULE CONNECTOR

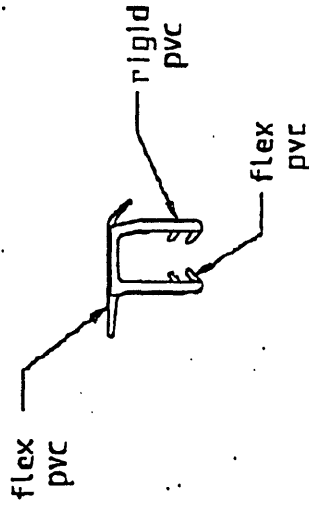


FIGURE 29

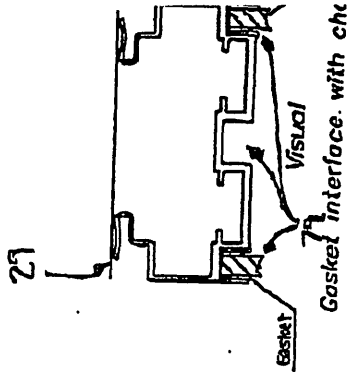
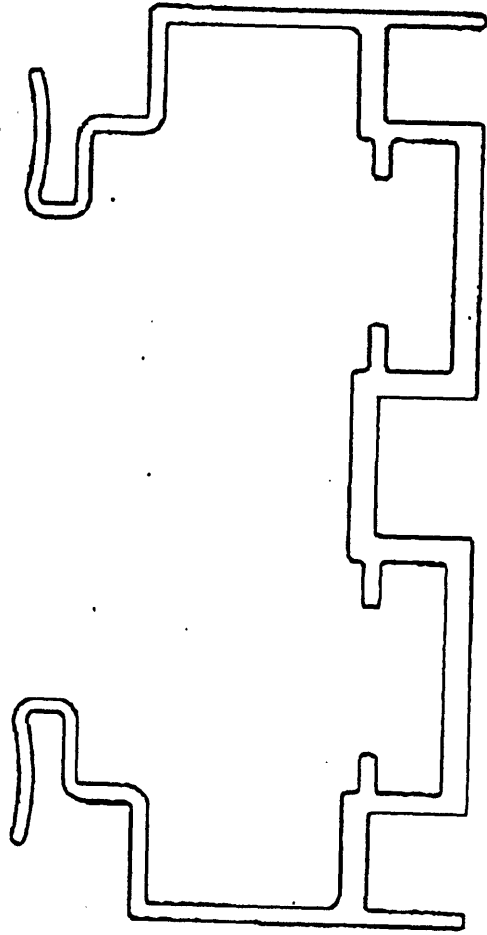


FIGURE 36

Double Glaze Vertical Post

29/60
MM

JH
30/60

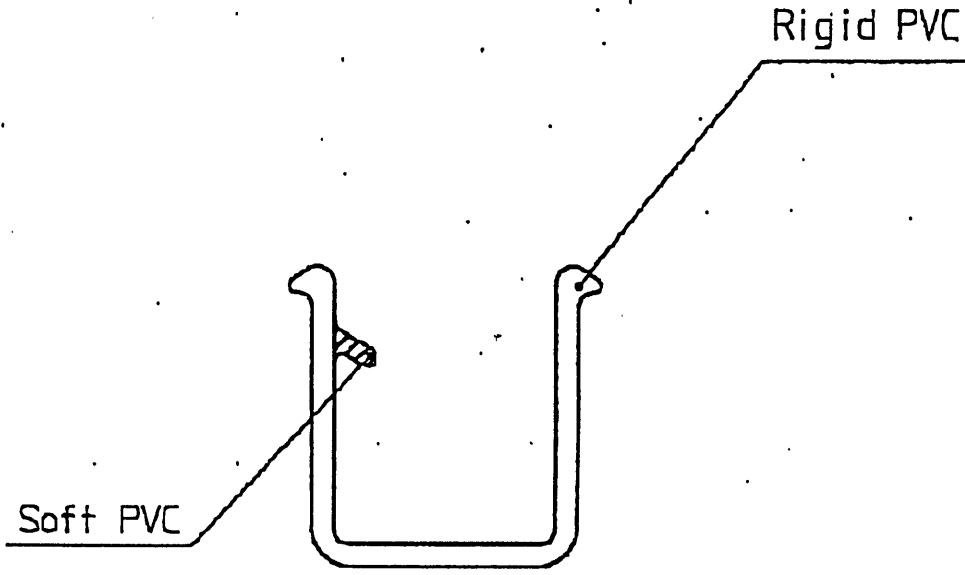


FIGURE 37

Double Glazing Gasket
Dual Durometer
Assymmetric

FOR SETTING

NN
31/60

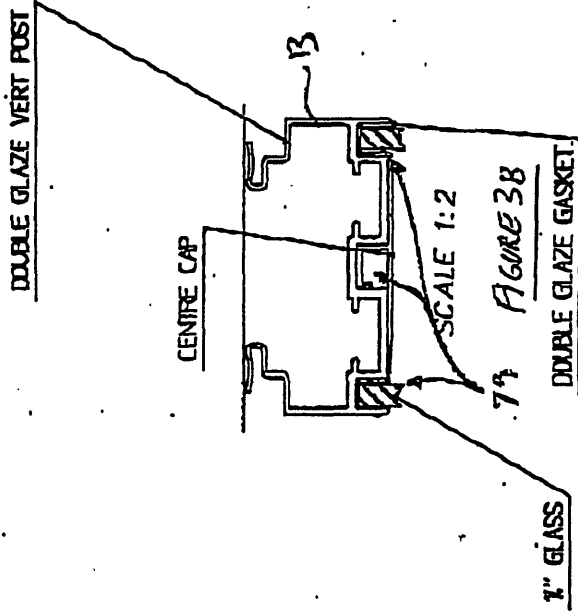
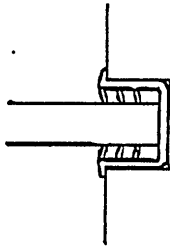


FIGURE 39

CENTRE CAP
DOUBLE GLAZE CONDITION

FIGURE 38

FIGURE 40



ACTUAL SIZE

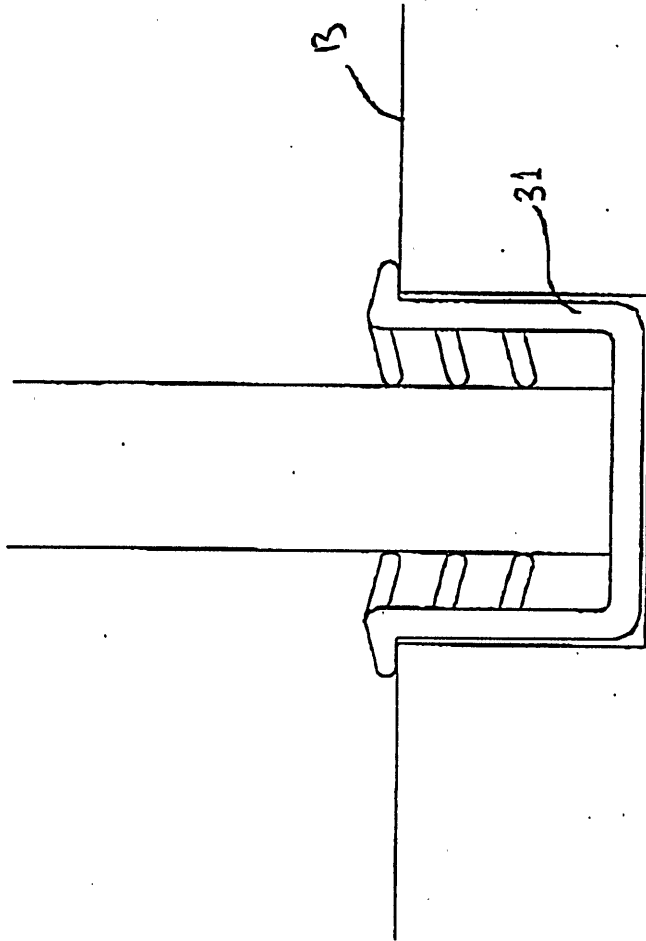


FIGURE 40

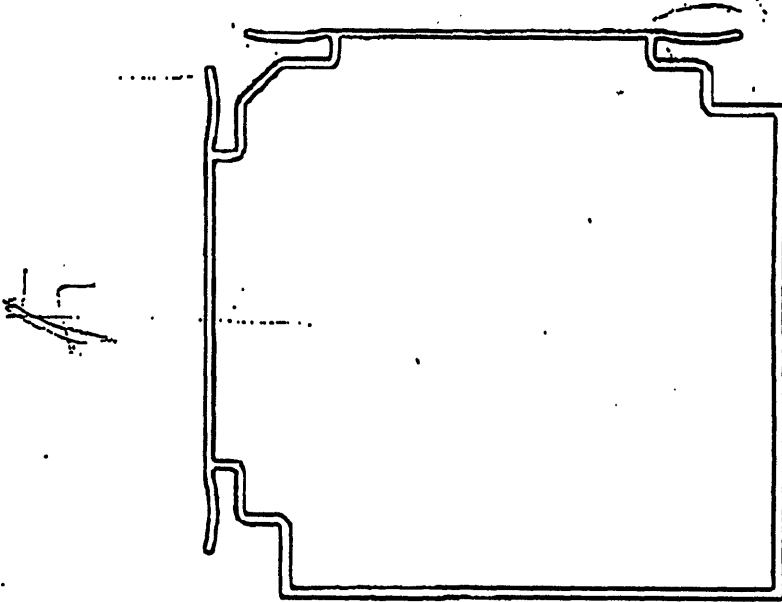
Single Glazing Gasket

1/4" GLASS

32/60 .PP

CC

33/60



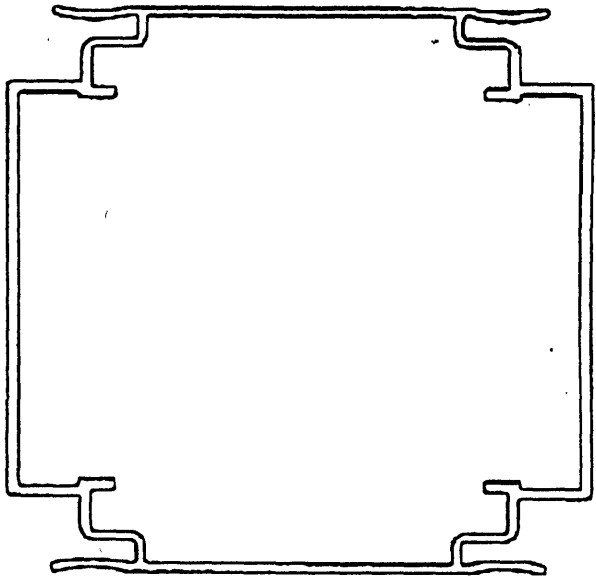
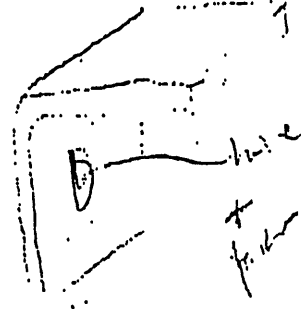
Furniture Module

2 Way Square Profile

FIGURE 41

DD.

34/60



FURNITURE MODULE
180° POST

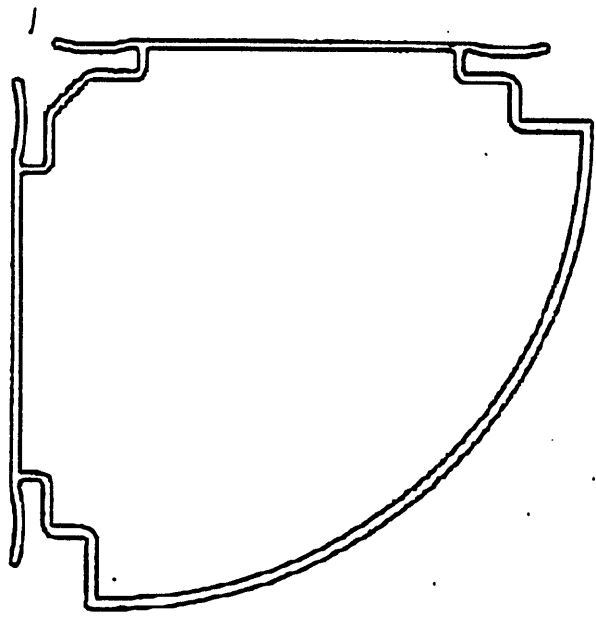
FIGURE 42

FIGURE 42

EE

35/60

FIGURE 43



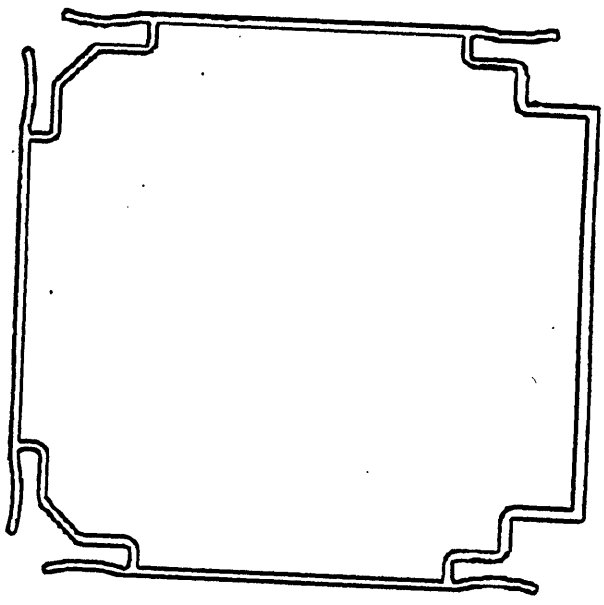
Furniture Module
Half Round 2 Way Connector

FIGURE 43

FF

36/60

FIGURE 44



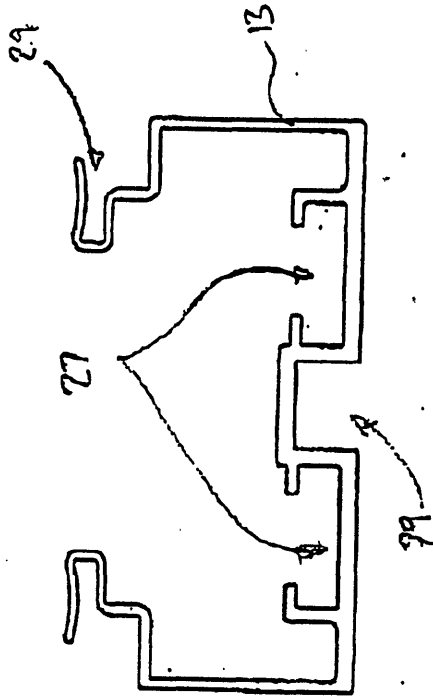
Furniture Module

3 Way Connection Connector

FIGURE 44

38/60

FIGURE 46



GLASS VERTICAL POST

FIGURE 46

FIG

LI
39/60

FIGURE 47

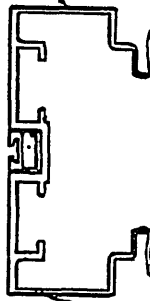
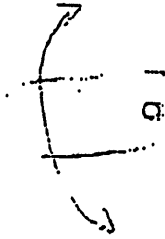
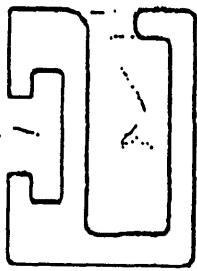


FIGURE 47

For Visuals Only

No Scale

Weatherstrip Holder

10/60

FIGURE 48

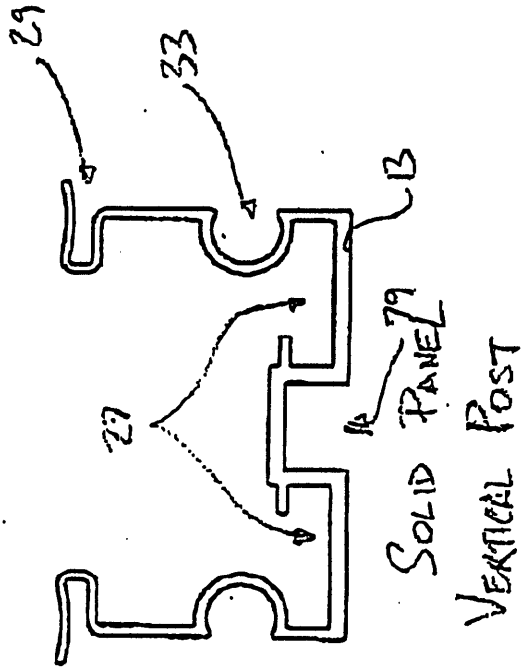
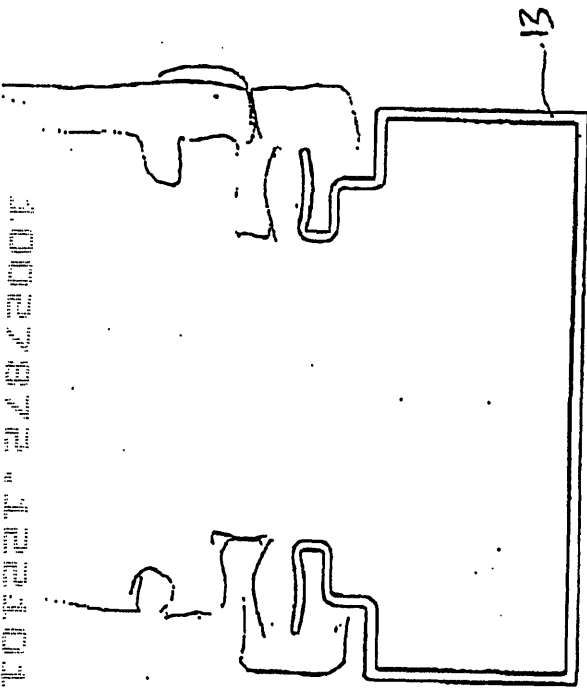


FIGURE 48

1111

41/60



--Corner Profile--
Building Module

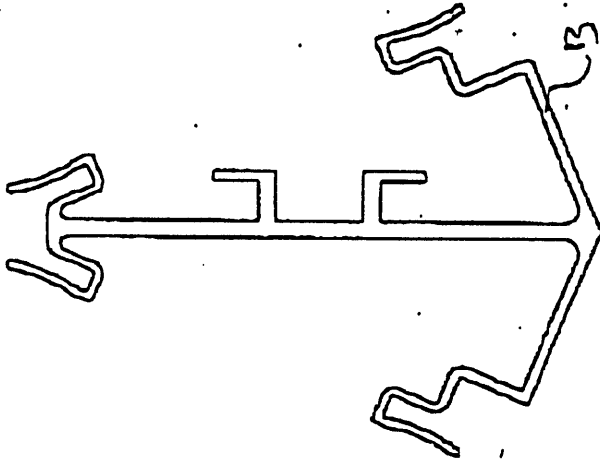
FIGURE 49

TOP VIEW

x7

42/60

FOOT 22200



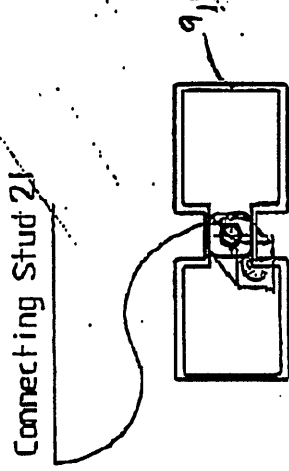
135° CORNER POST

FIGURE 50

II

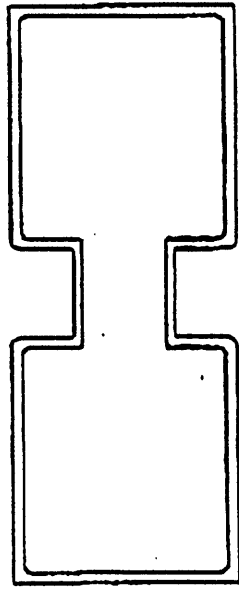
HM

43/60



Detail of profile with stud
For Visuals Only

FIGURE 51

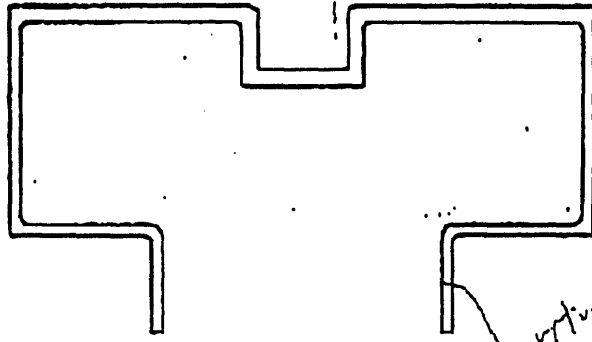


Glass/Glass Transition
Distance Channel

FIGURE 51

II

44/60



rotation / di. opt.

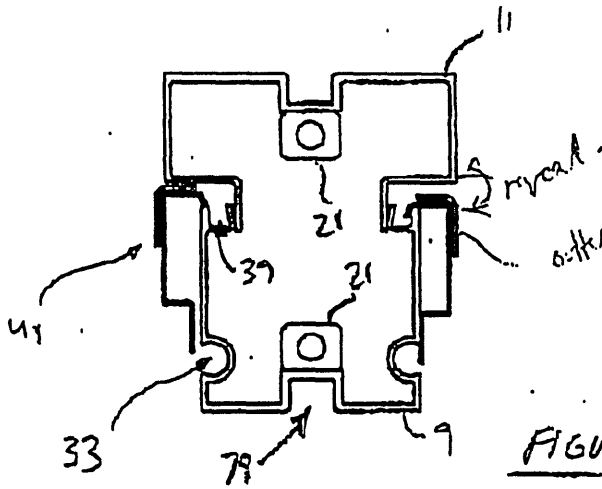


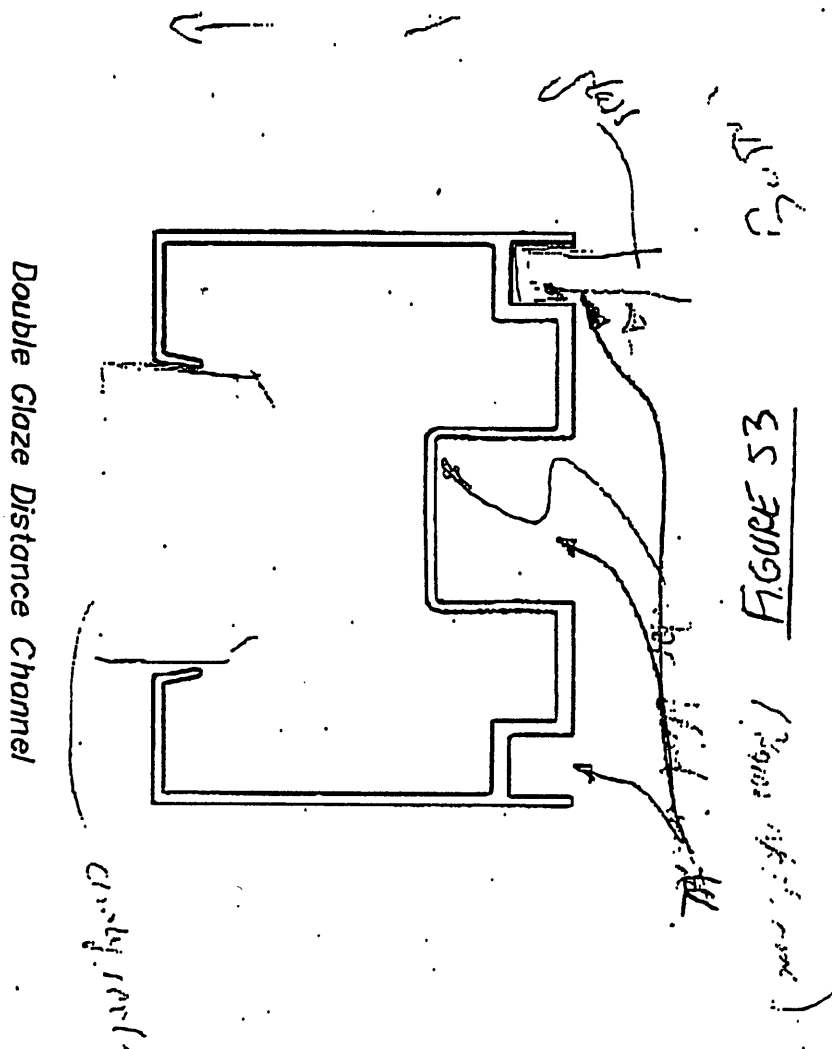
FIGURE 52

Detail Assembly
Visual reference

Glass / Solid Transition
Distance Channel

10029674 2007

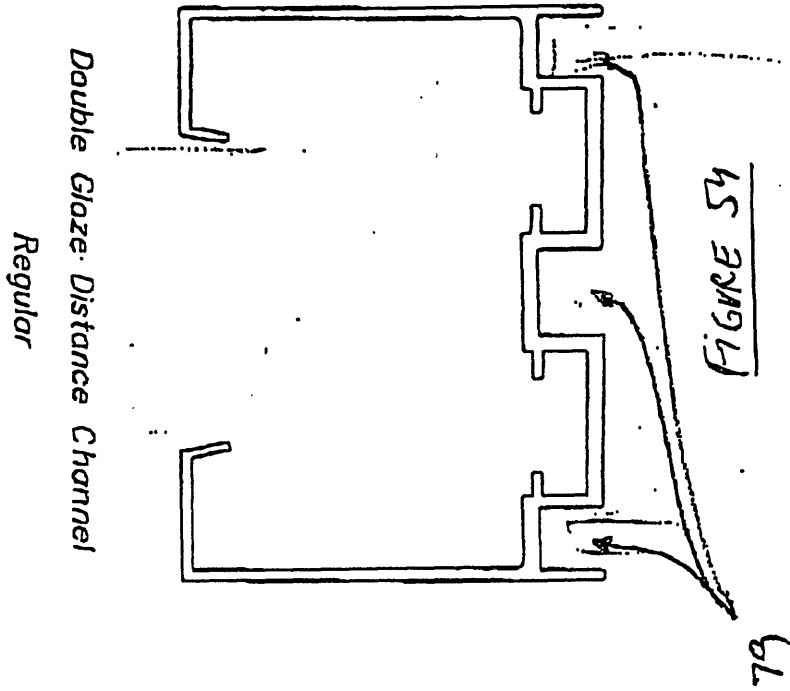
45/60



10027072 122101

KK

RR
46/60

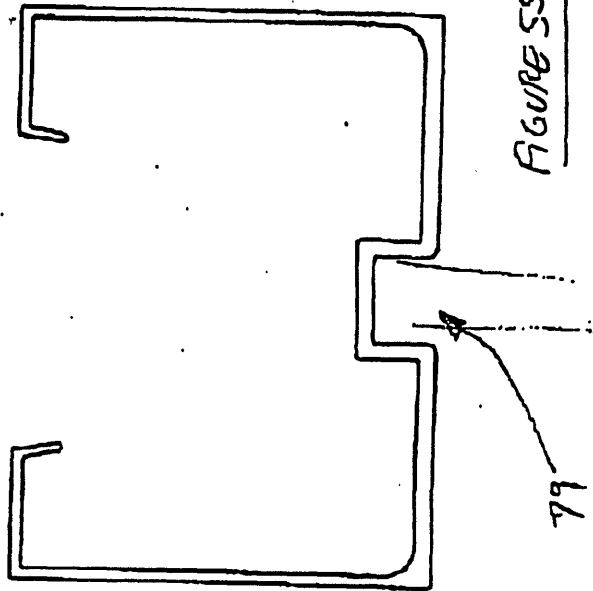


NOV 27 1992 12:24:03

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 80.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 47 of 60

DDD

47/60

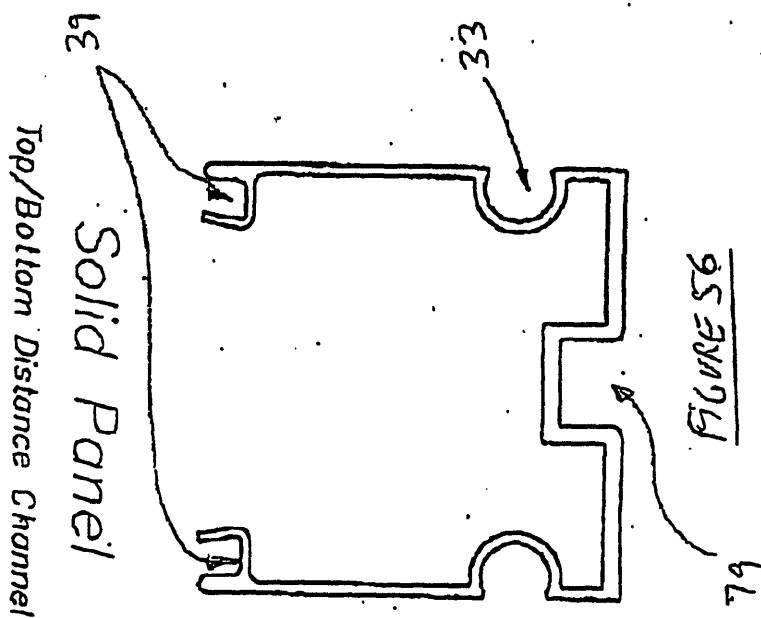


Glass Panel
Top/Bottom Distance Channel

10027879-122104

III

4/8/60

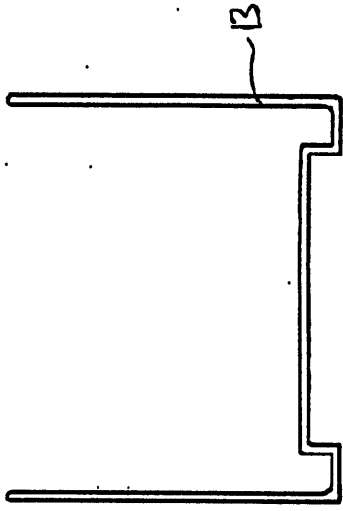


110027872 1122404

JFS

50/60

FIGURE 58



Wall Post

Inner telescopic channel

FIGURE 58

51/60

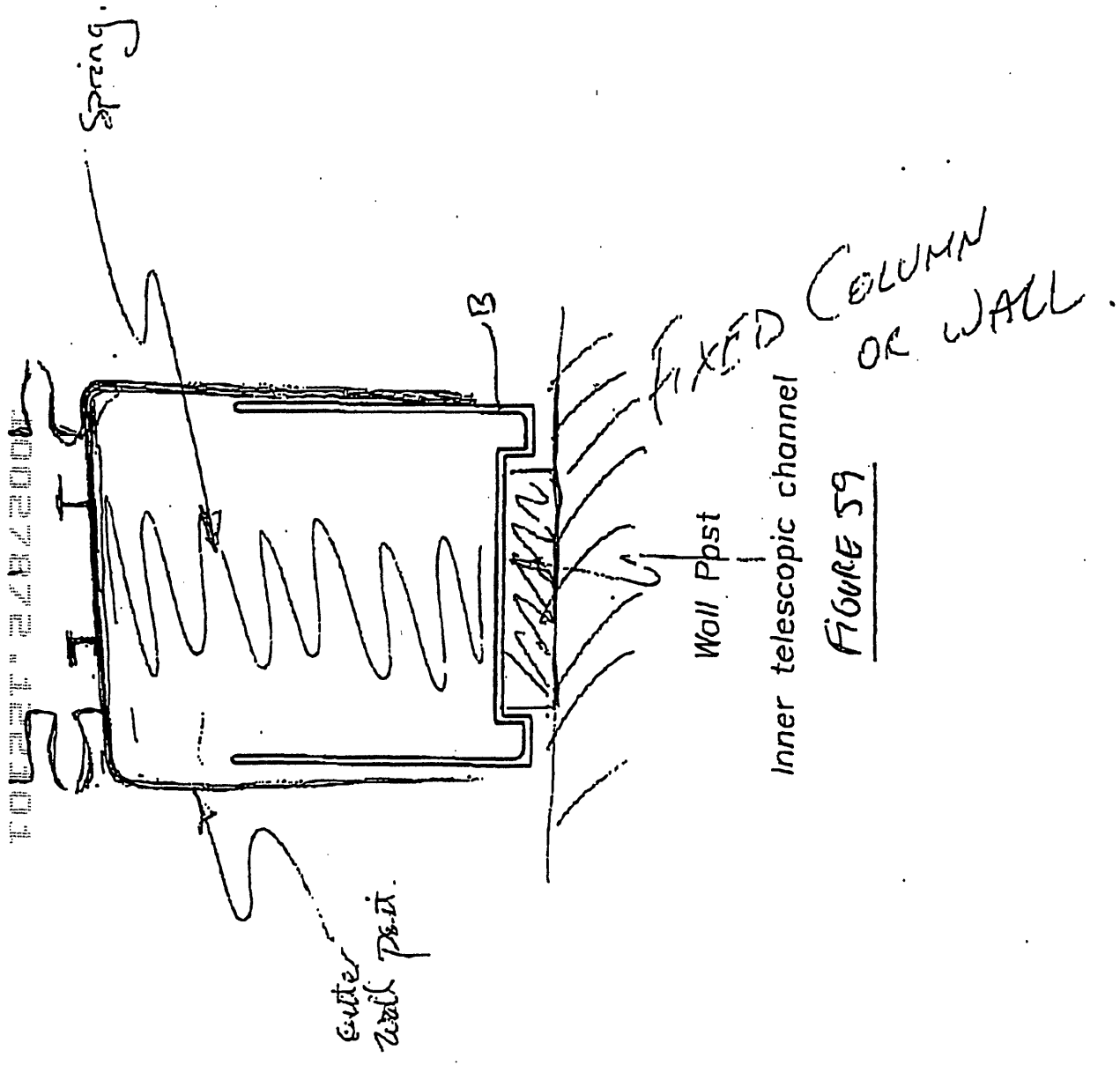


FIGURE 59

JJJ

52/60

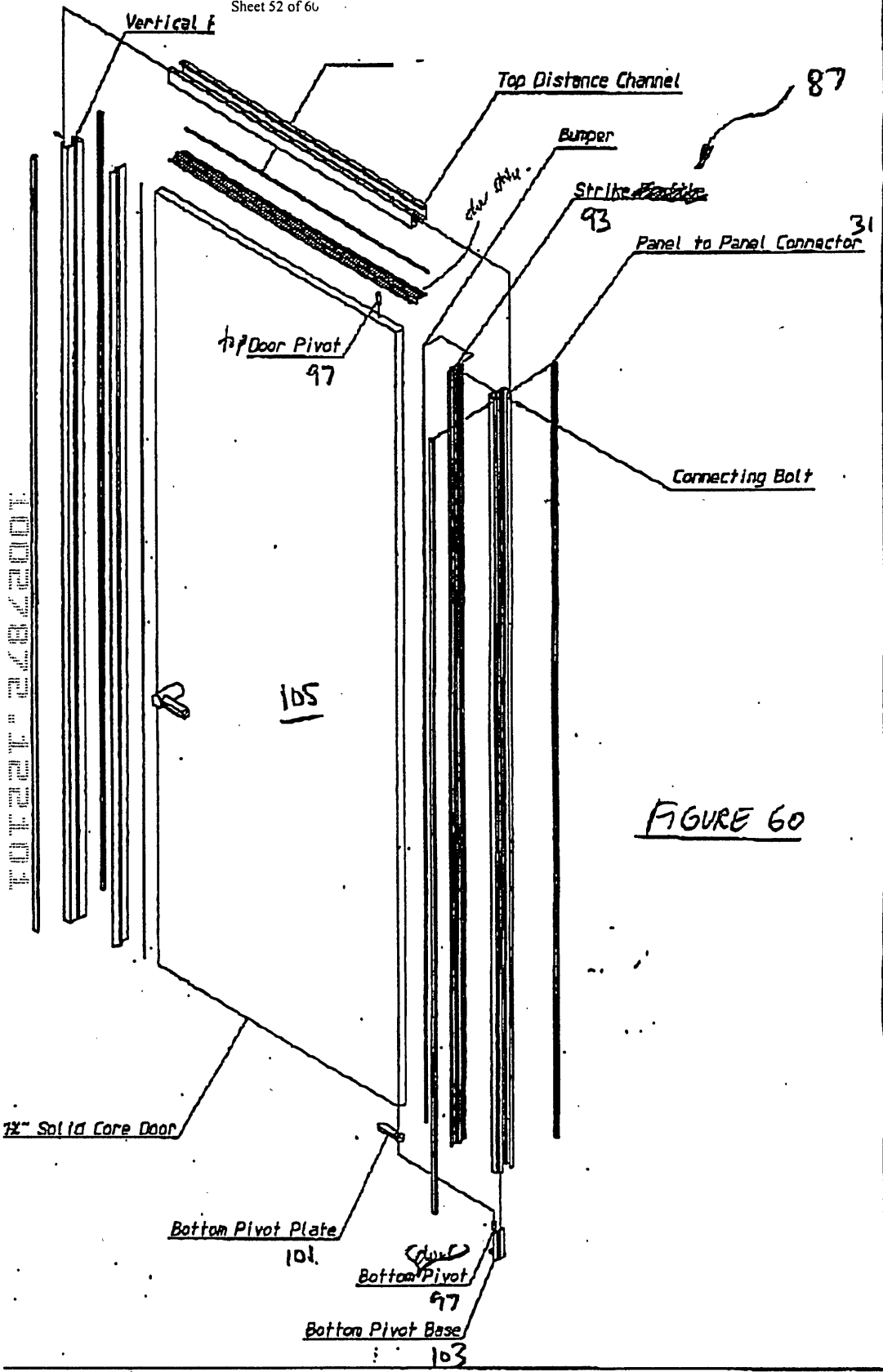
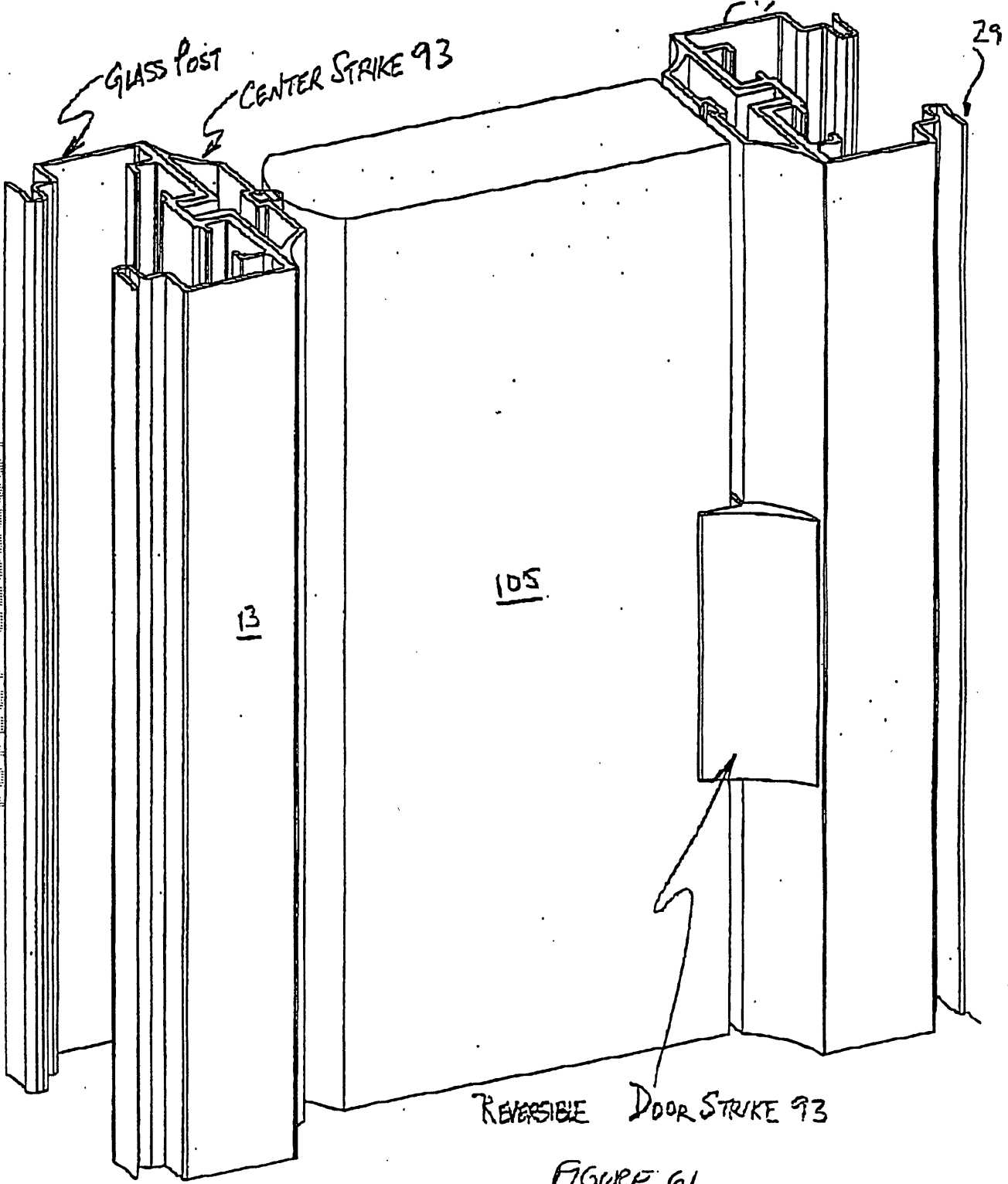


FIGURE 60

53/60



54/60

FIGURE 62

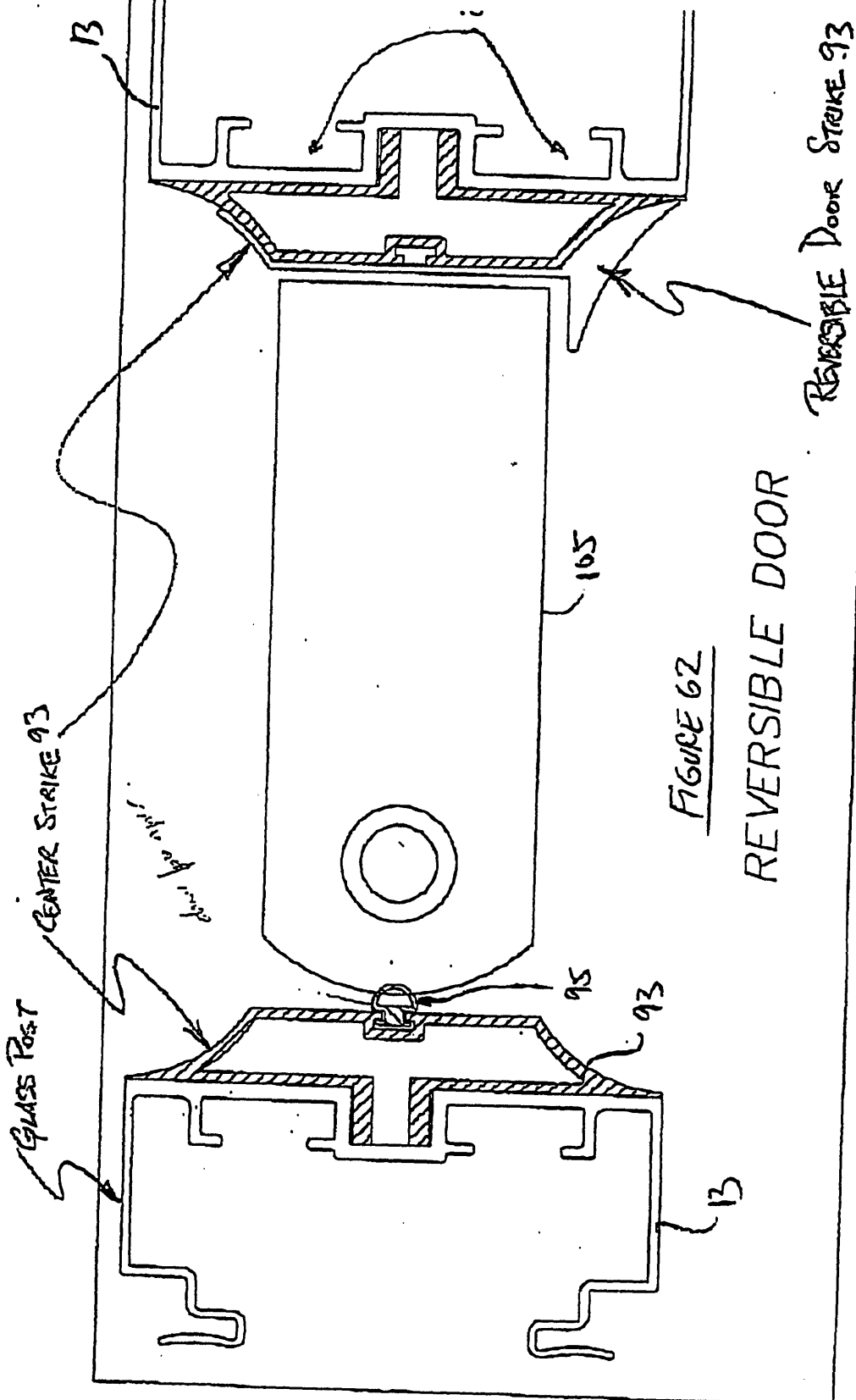


FIGURE 62

REVERSIBLE DOOR

REVERSIBLE DOOR STRIKE 93

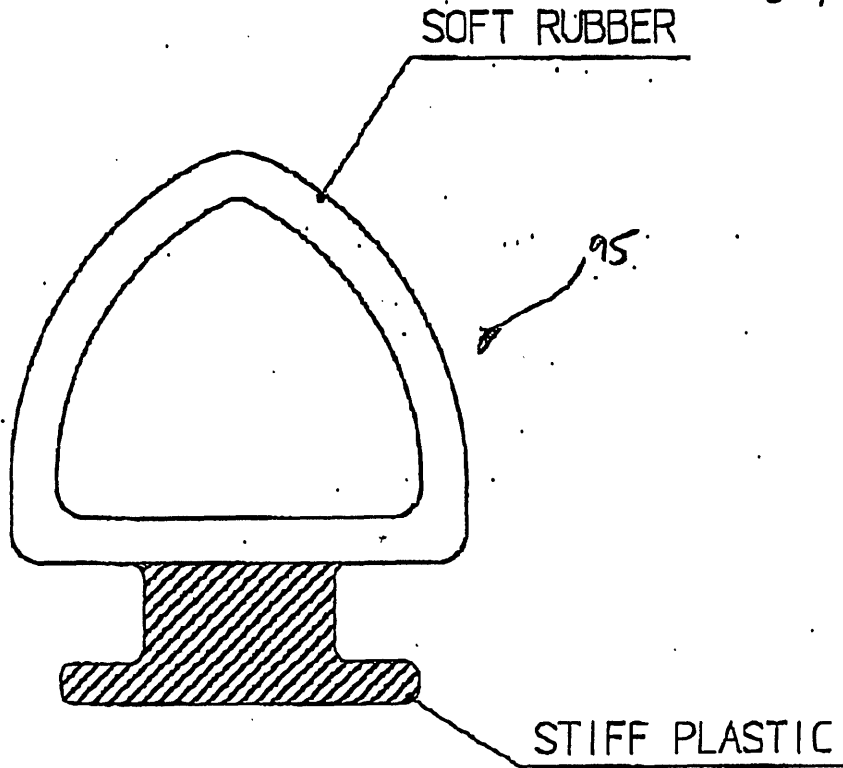
GLASS POST

CENTER STRIKE 93

side view

35/60

tt



Door Bumper Profile

TPE / Polypro Coex

FIGURE 63

TOP LEFT 2482007

56/60

FOR "SECRET"

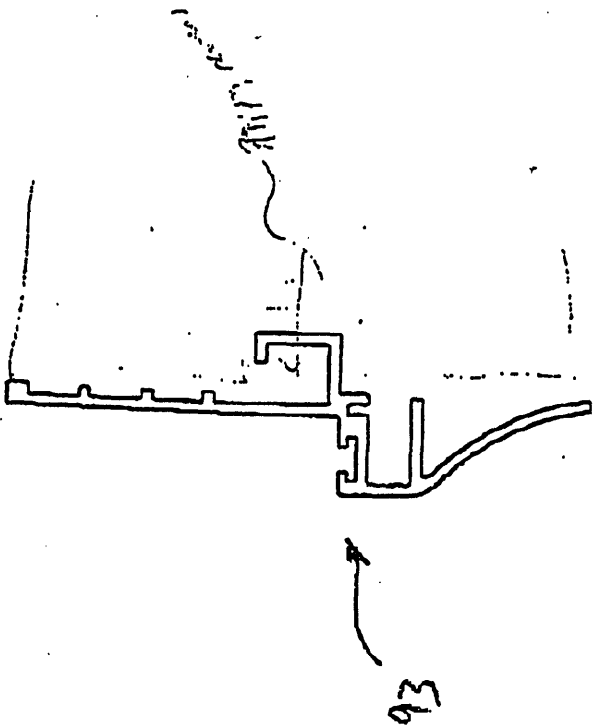


FIGURE 64

Door Strike

BBB

57/60

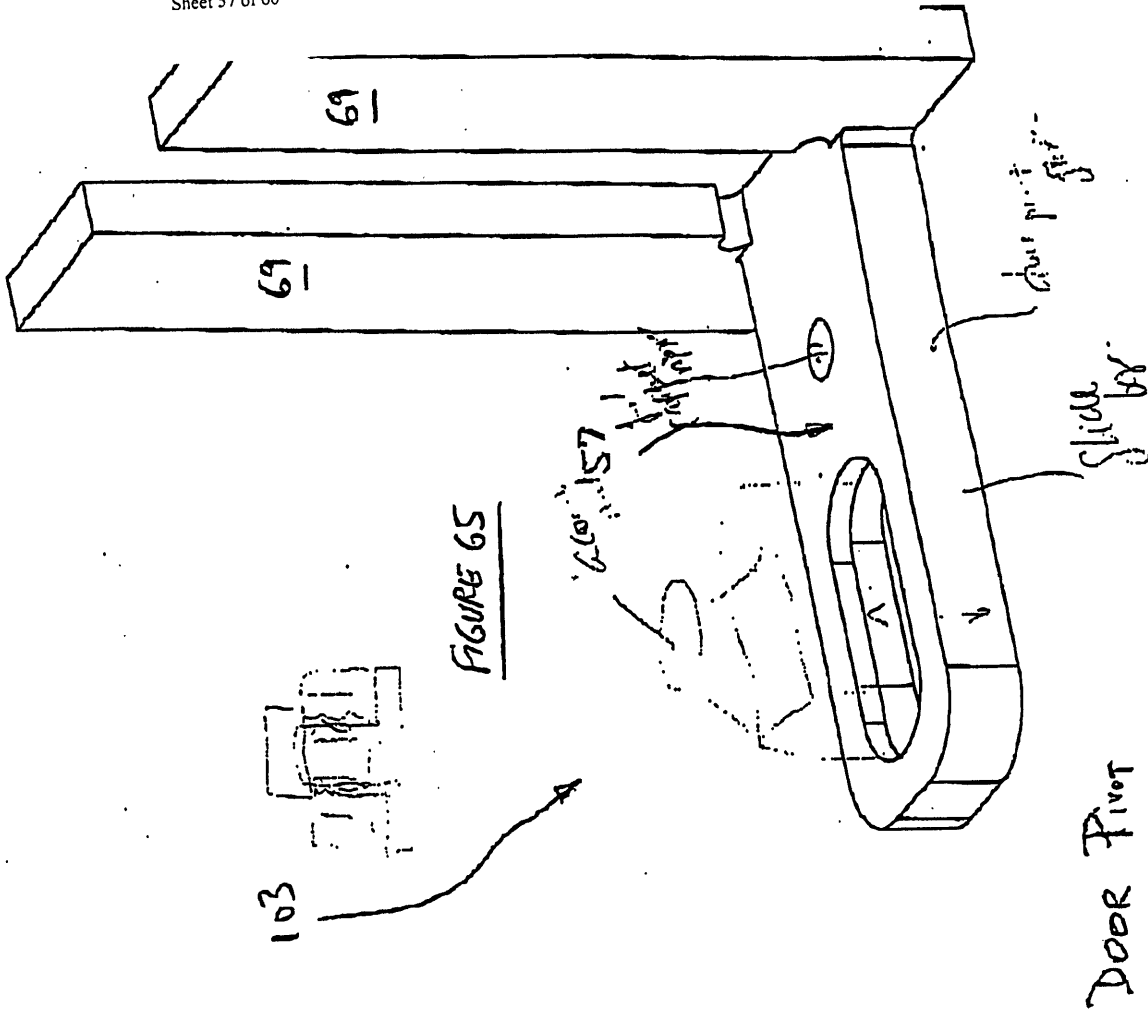
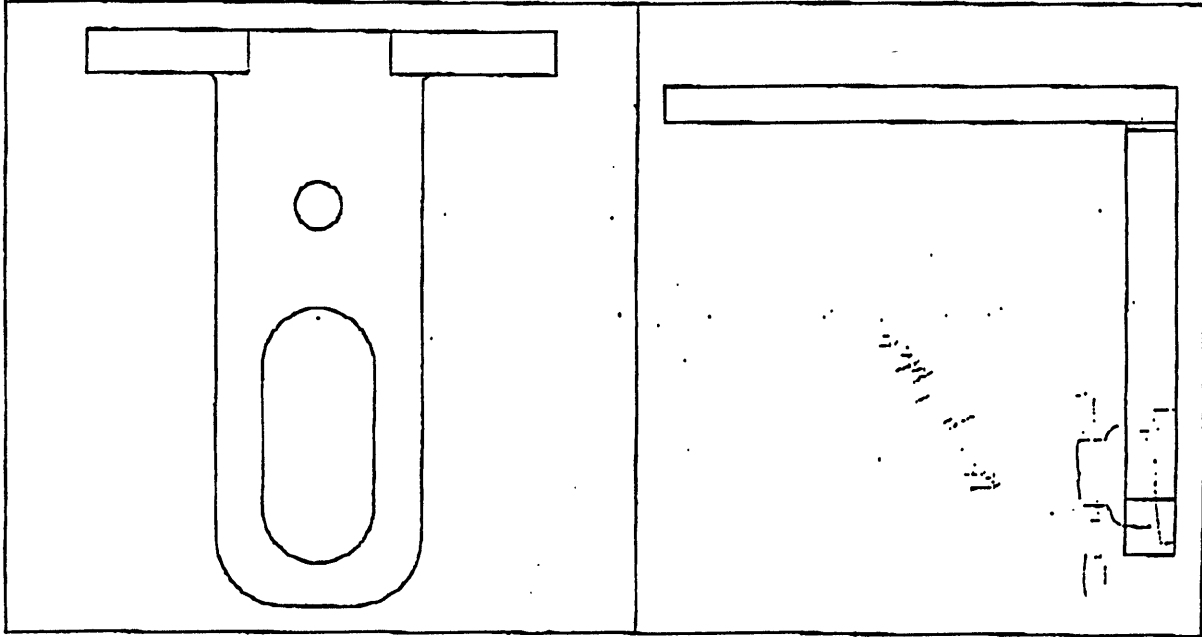


FIGURE 65



7/8/60 00

FOR P. 282007

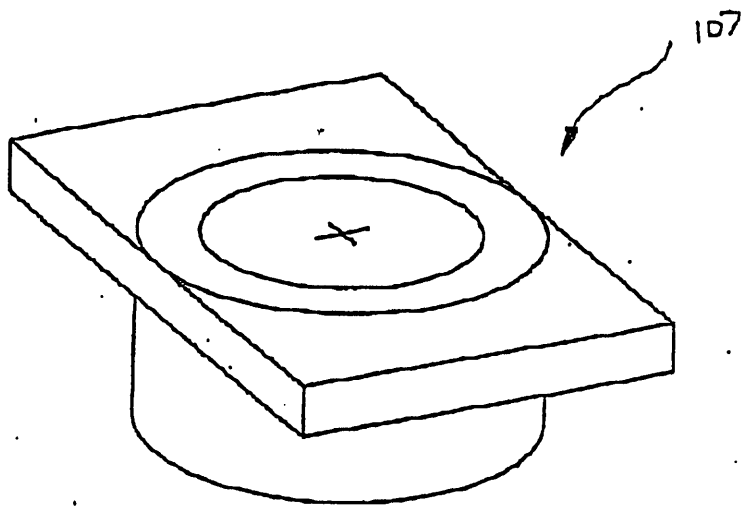


FIGURE 66

TOP PIVOT BUSHING

59/60

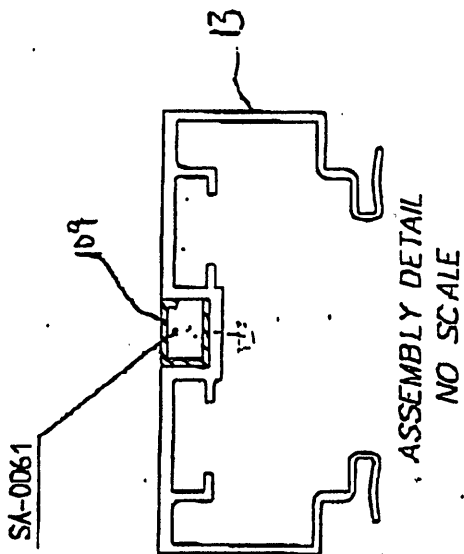
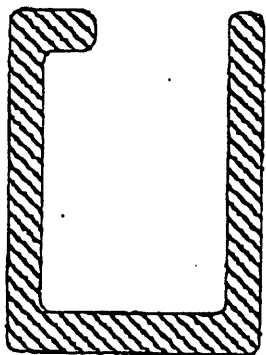


FIGURE 67



FOR THE 248200E

nn

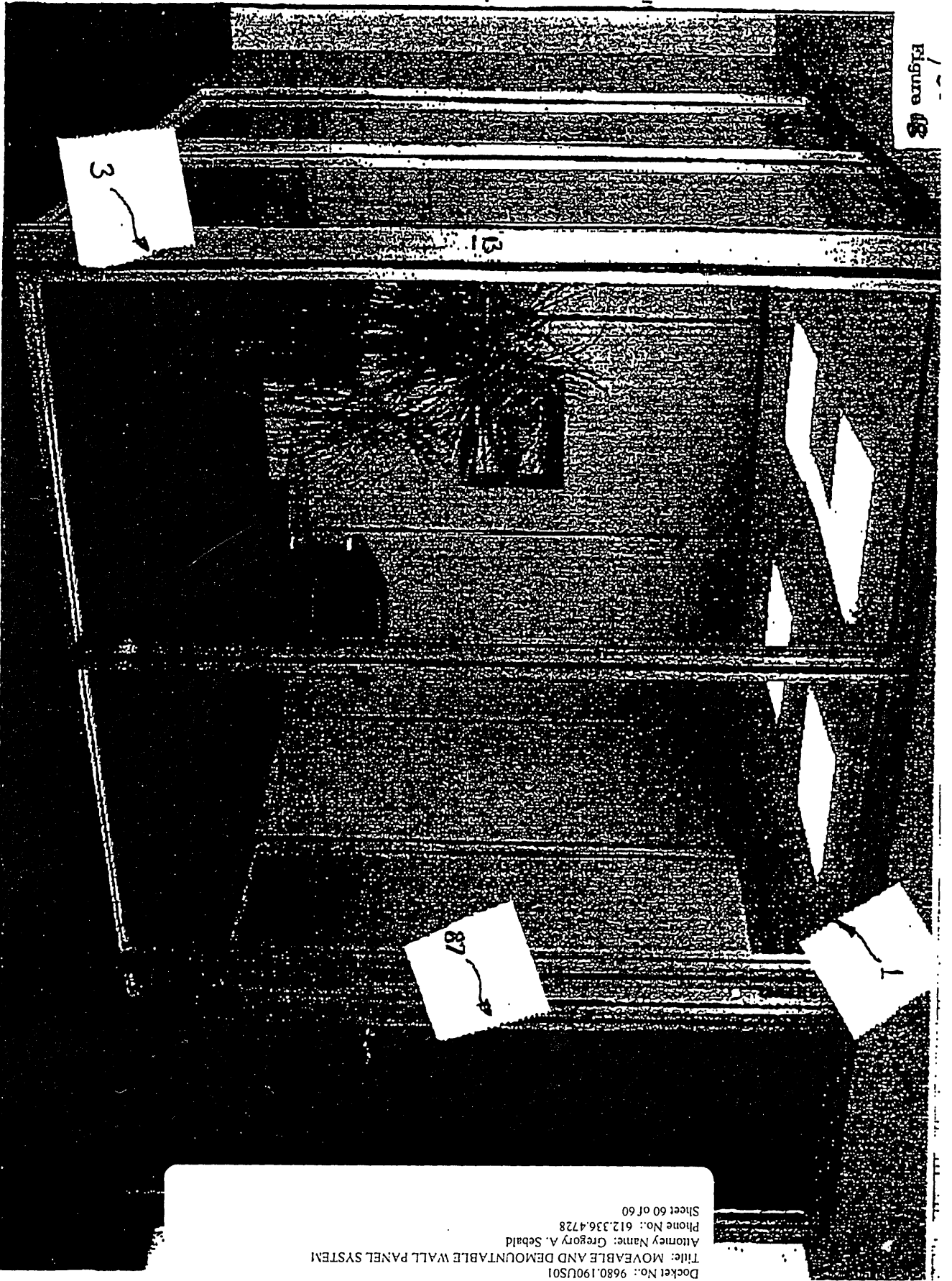


Figure 88

Exhibit #919; Page 98/98

Expeditt: Legen Robic R: Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebold
Phone No.: 612.336.4728
Sheet 60 of 60

160

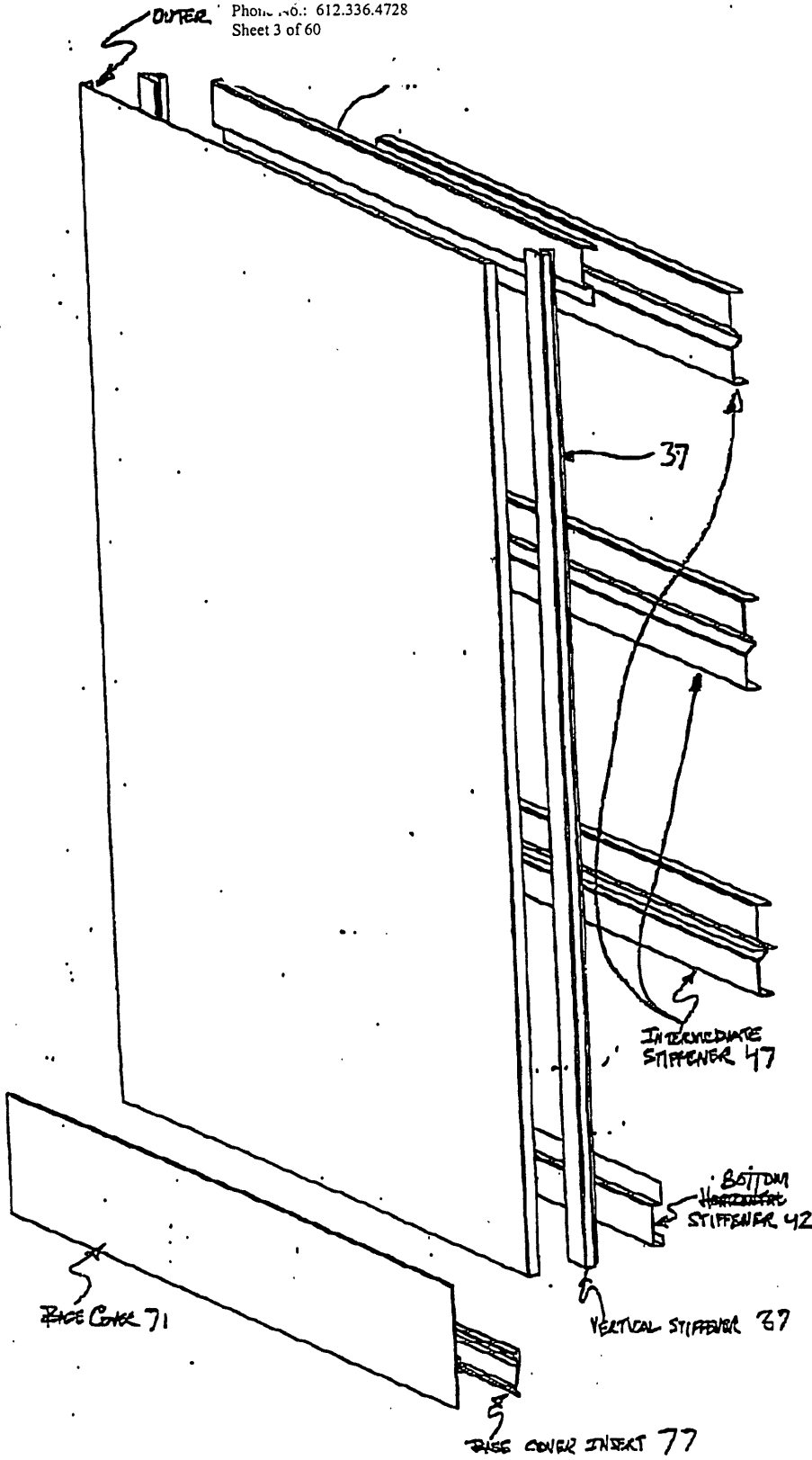


FIGURE 3

3/60

FIGURE 3

4/60

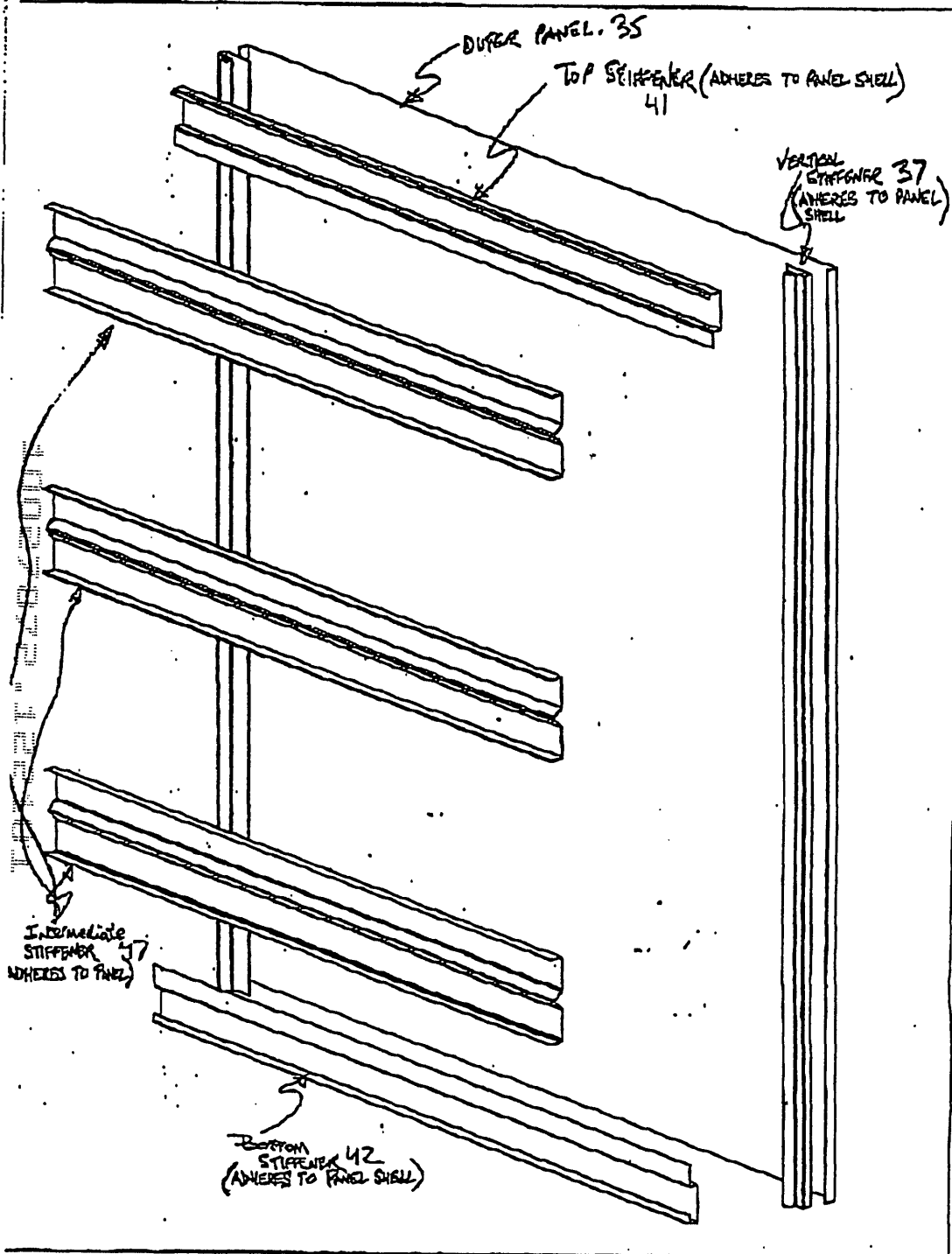


FIGURE 4

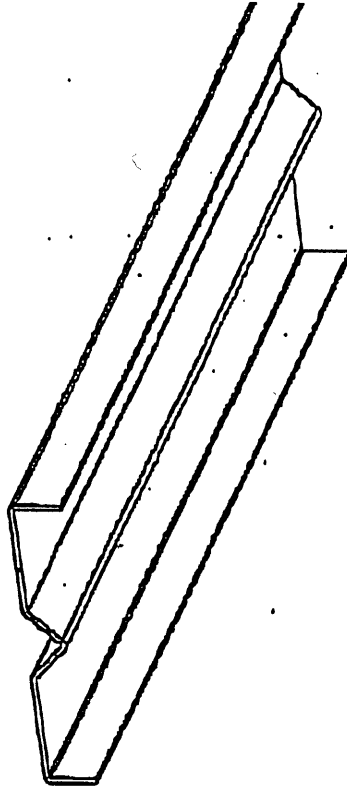
Outer Panel Construction

FFF

5/60

FIGURE 5

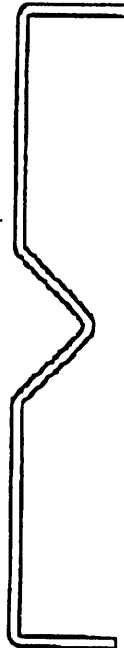
47



*Intermediate Stiffener Profile
Solid Panel Shell*

FIGURE 6

47



1007722.1.004.04

6/60

DR-1106 v

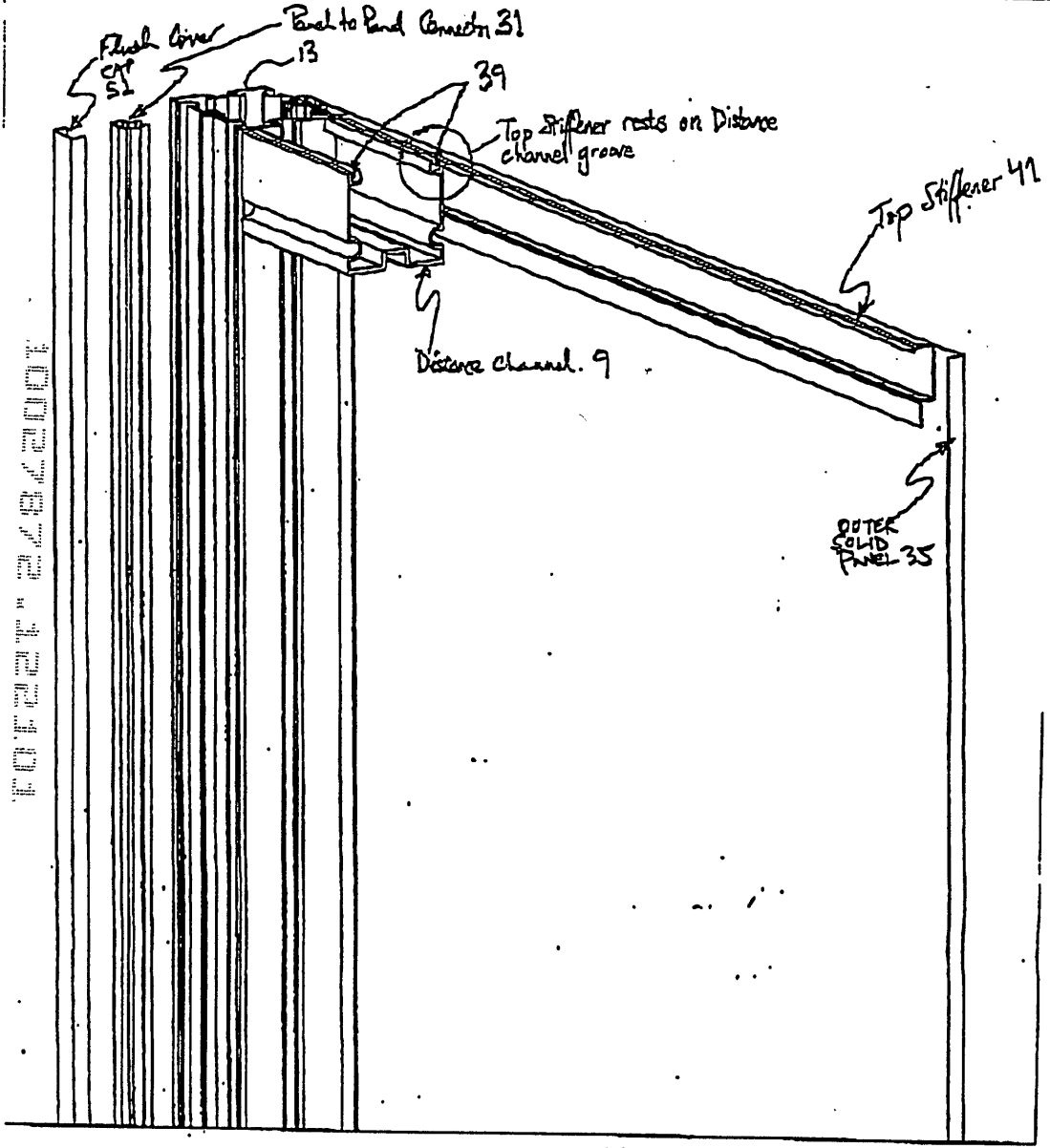


FIGURE 7

TOP CONNECTION ^{is better}
is a solid panel.

7/60

FIGURE 8

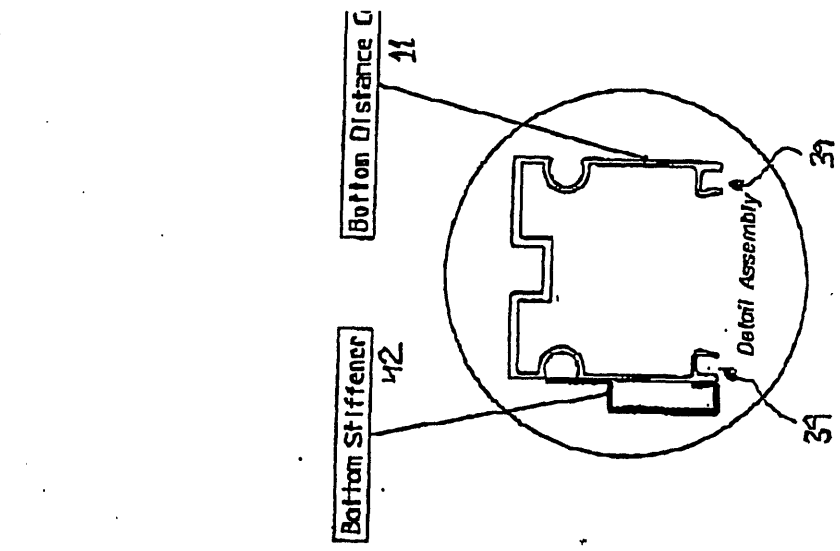


FIGURE 8

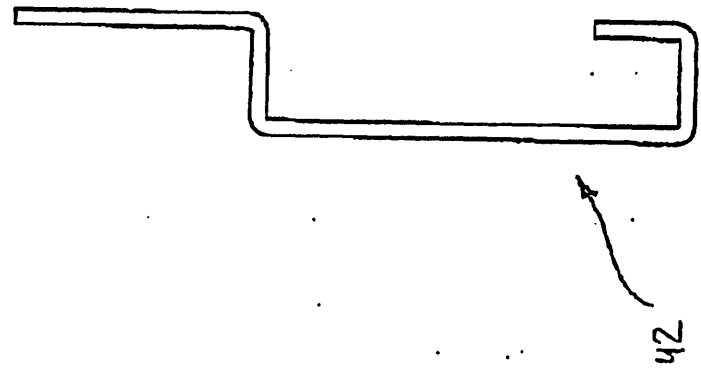


FIGURE 9

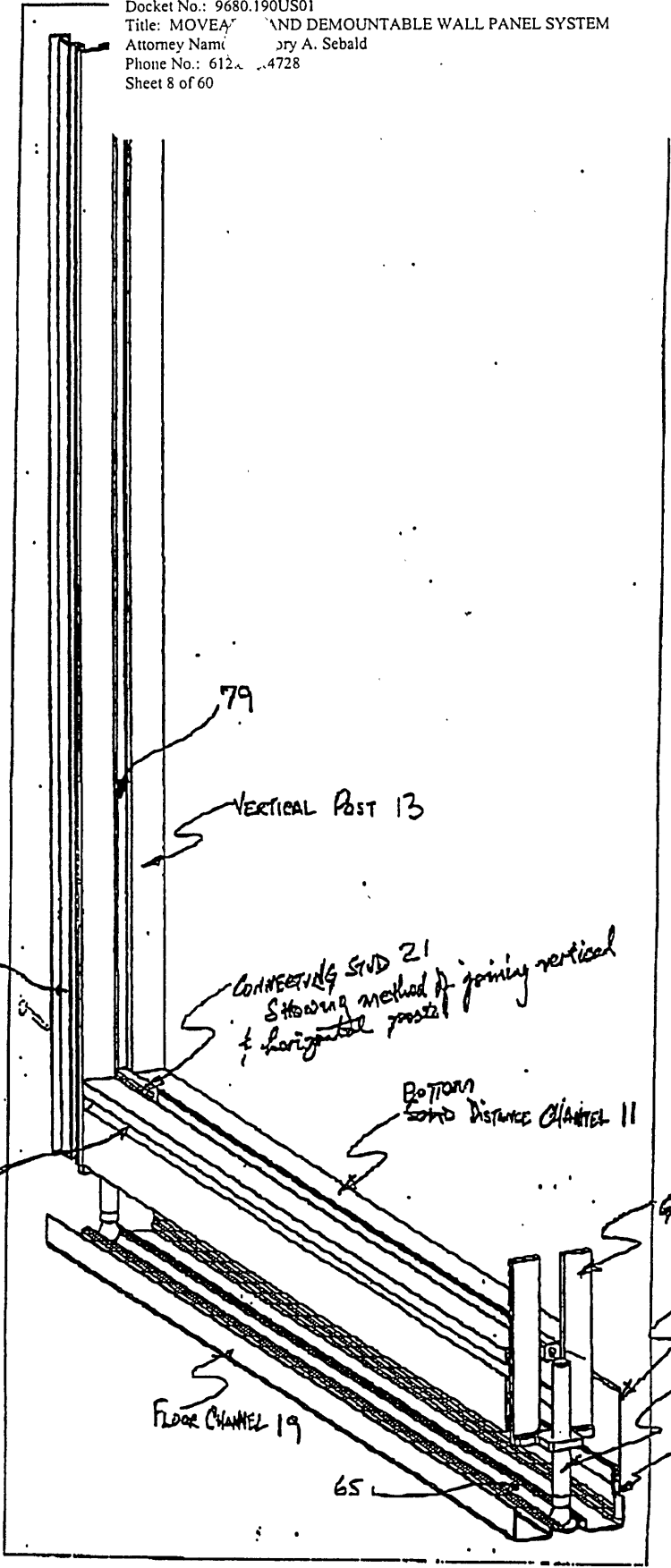
Bottom Stiffener

999

8/60

FIGURE 10

33
WHEEL
RETURN



79

VERTICAL POST 13

FIGURE 10

CONNECTING STUD 21
Showing method of joining vertical
& horizontal posts

BOTTOM
END DISTANCE CHANNEL 11

FLOOR CHANNEL 19

GUIDE 53

Base Cover 71

SLIDE BOLT 55

Base Cover
inset. 77

65

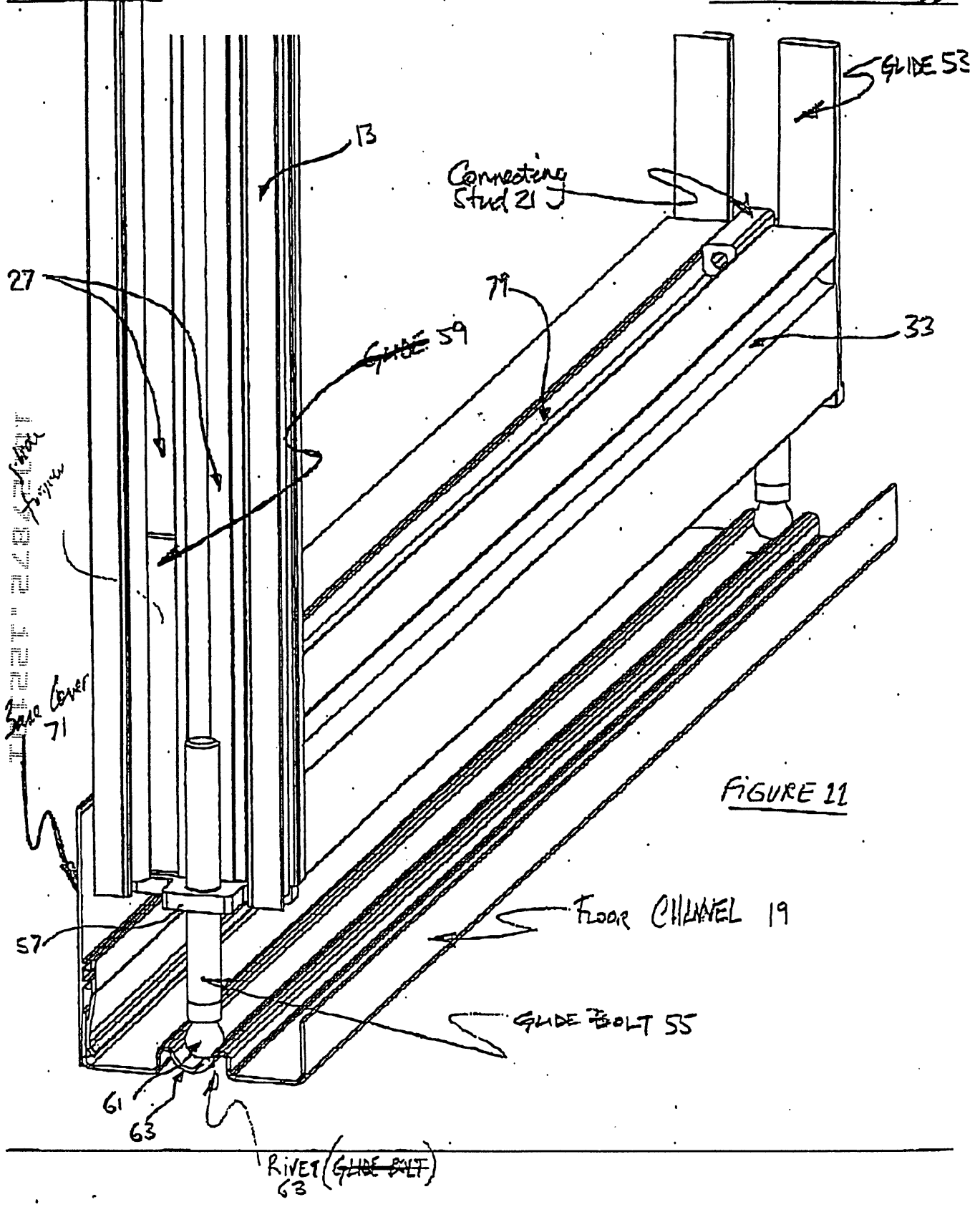
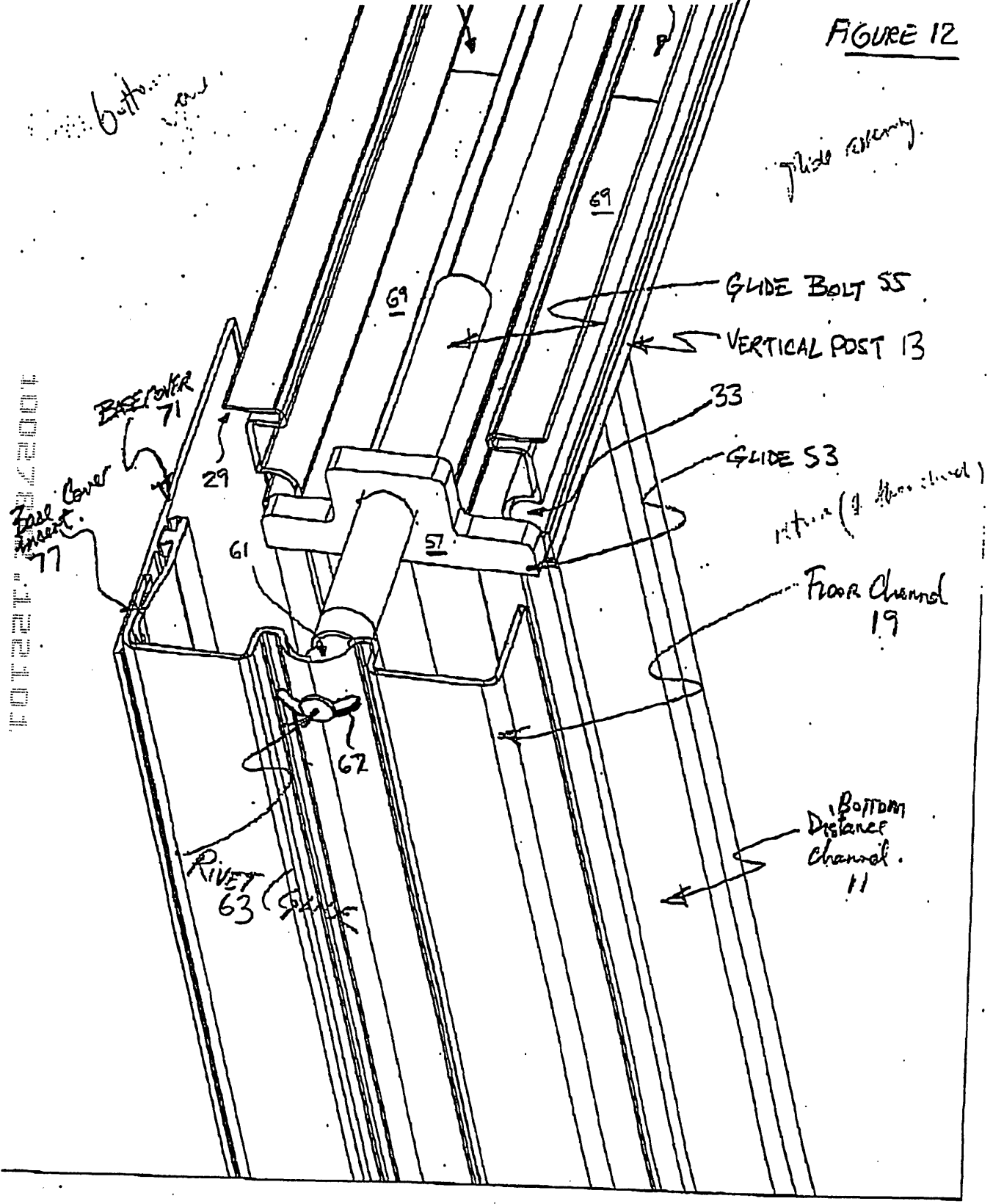


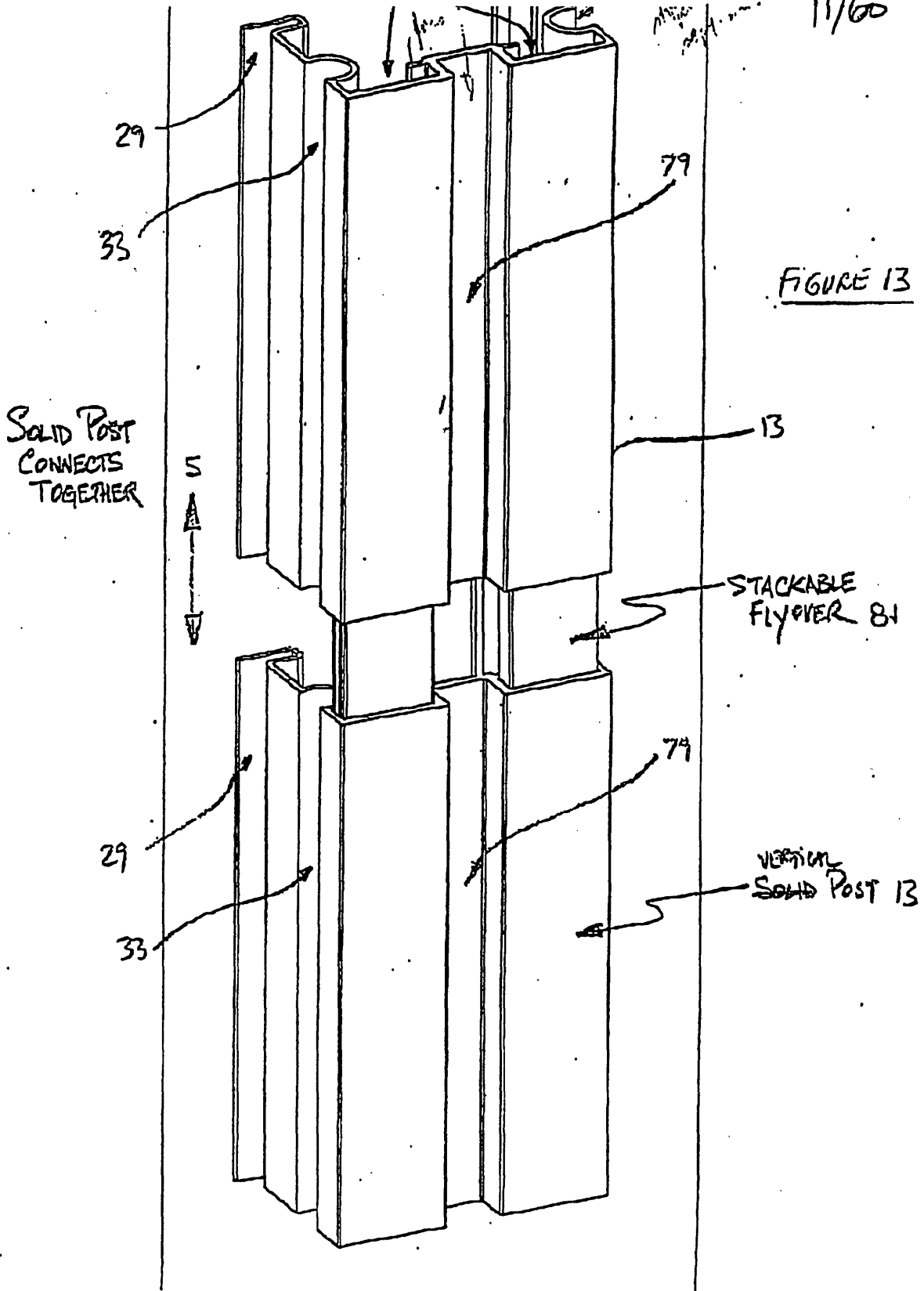
FIGURE AA

FIGURE 12



FOR FILE

DRAWING A
11/60



TOP SHEET 2/28/2001

12/60

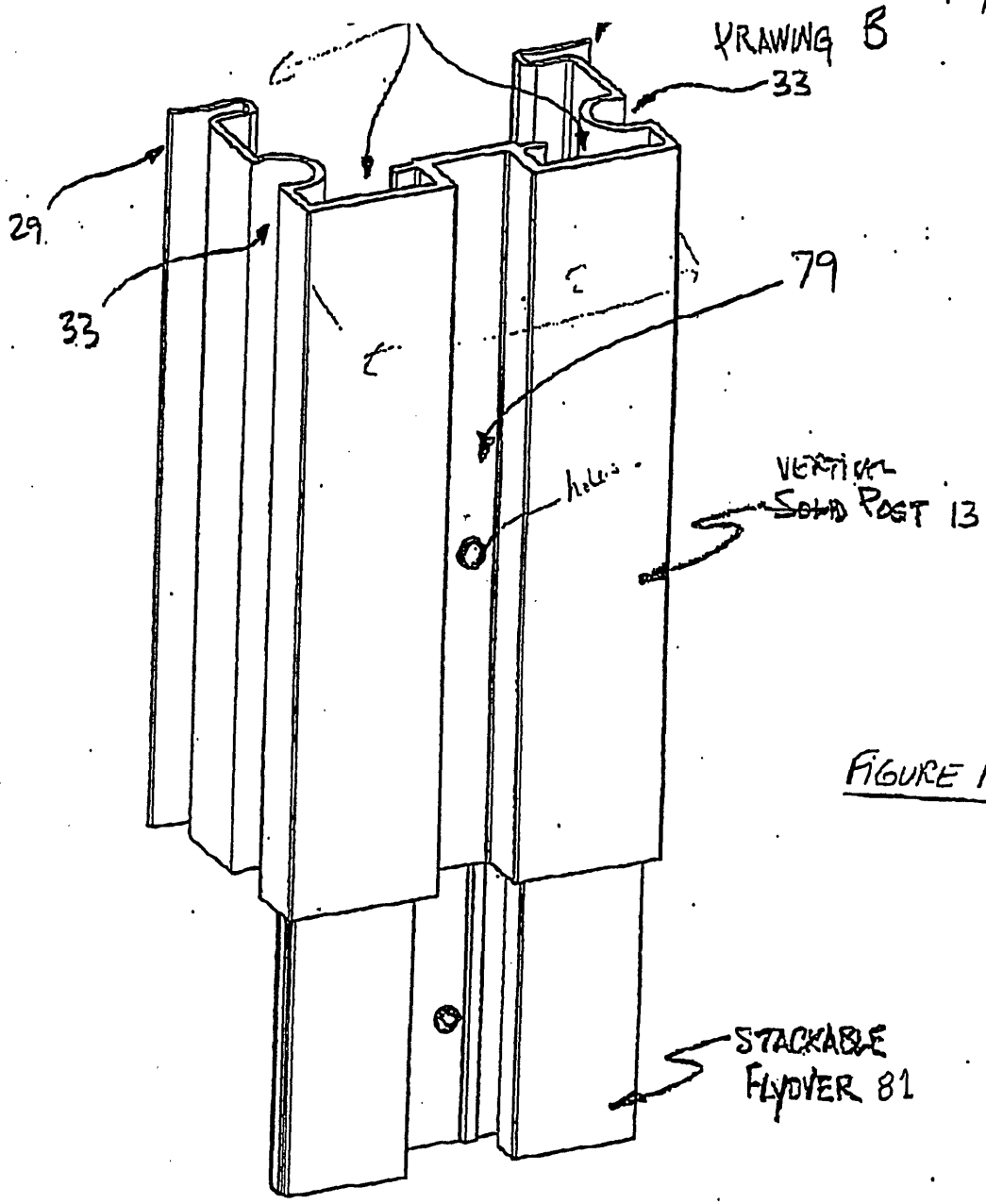


FIGURE 14

FOR THE COURT

13/60

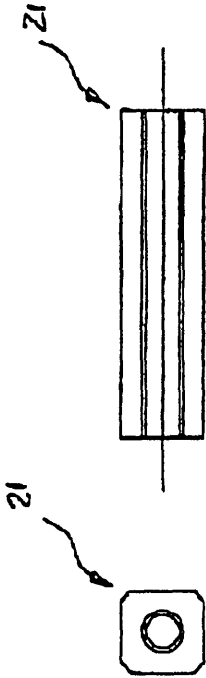


FIGURE 16

FIGURE 15

CONNECTING STUD

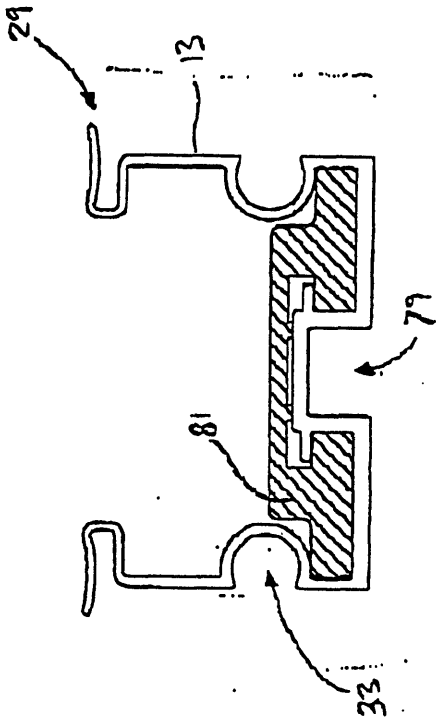
FOOTER 242007

CCC

14/60

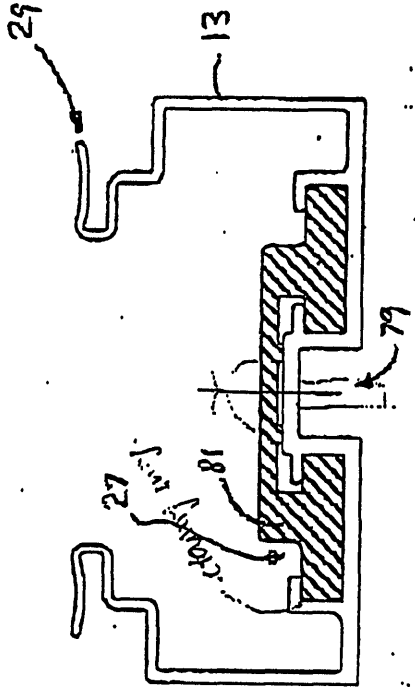
DRAWING C

FIGURE 17



FLYOVER FOR SOLID PANEL

FIGURE 17



FLYOVER FOR GLASS PANEL

FIGURE 18

STACKABLE FLYOVER

15/60

FIGURE 19

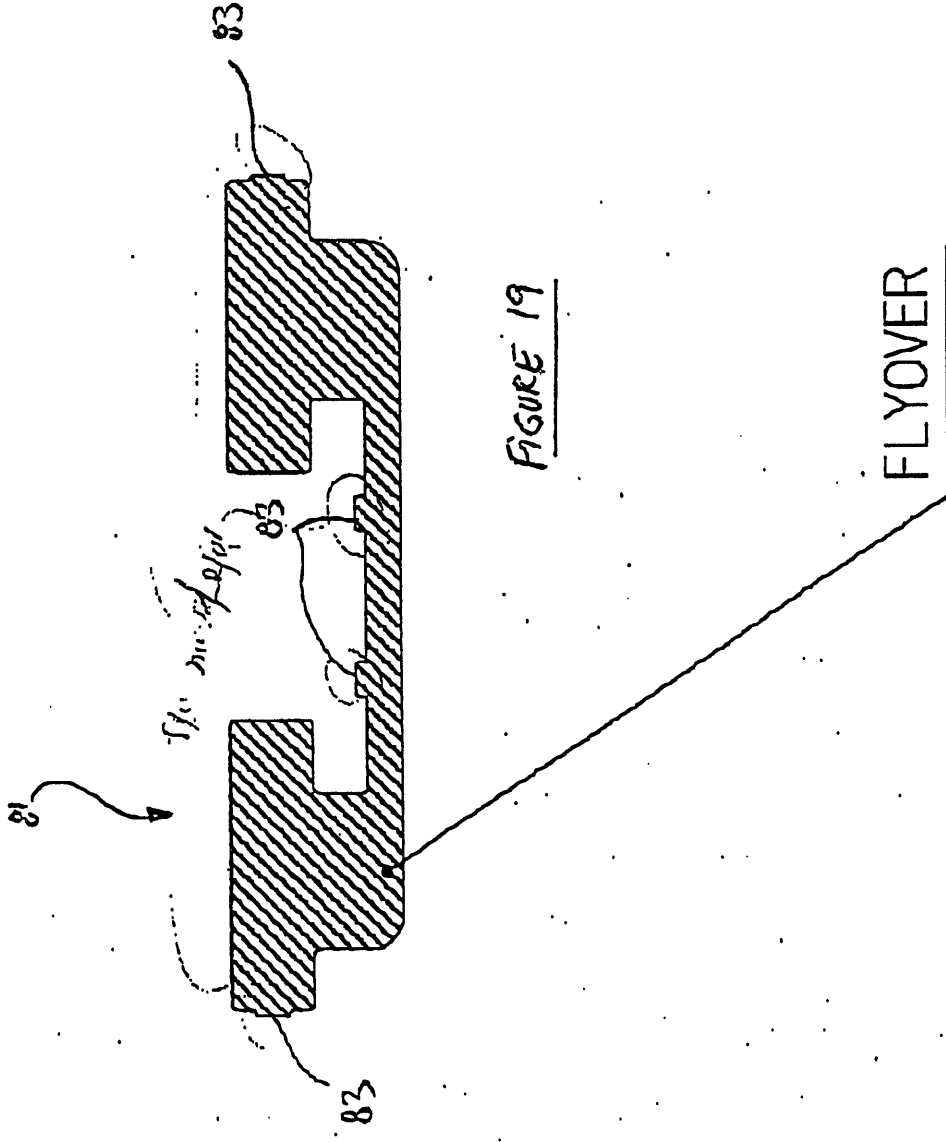
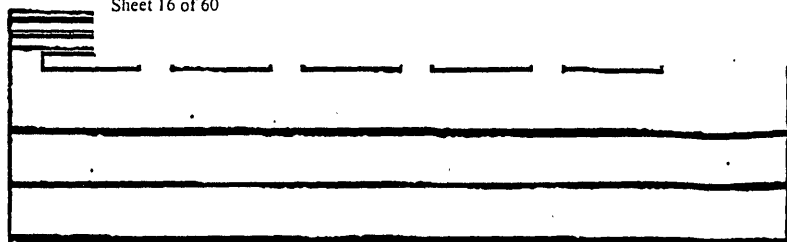


FIGURE 19

QQ
16/60



B

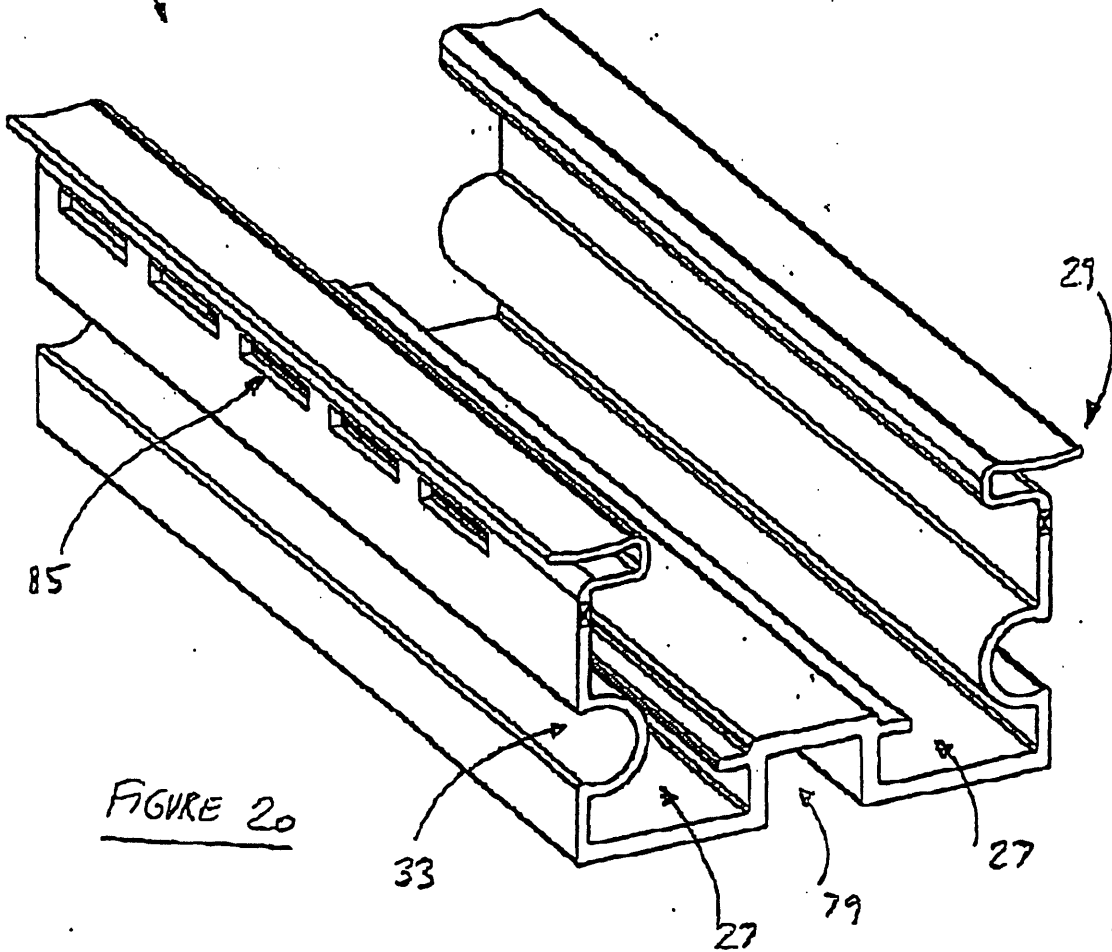


FIGURE 20

Punch
Solid Panel
VERTICAL POST

FOR REPRODUCTION

FIGURE 21

ceiling
rail 17

17/60

13

Figure 21

18/60

Drawing 61

1007227-2482007

Add Closed Cell Gasket 1 x 3/16" High

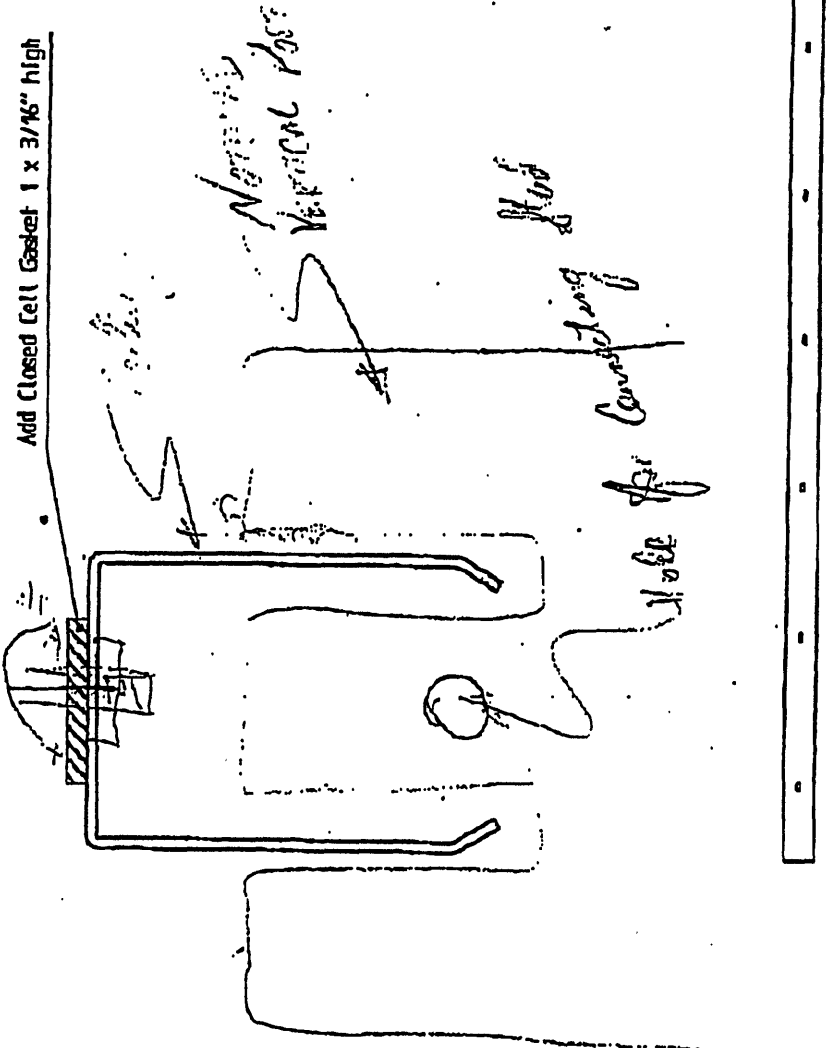


FIGURE 22

CEILING RAIL
Recessed

19/68

NOVELTY:

SPINDLE ROTATES FREELY AROUND 3 AXIS WITHOUT FURTHER PARTS AND ASSEMBLY.
FASTENER CAN BE DE-COUPLED FROM SPINDLE FOR MAINTENANCE OF FLOOR CHANNEL

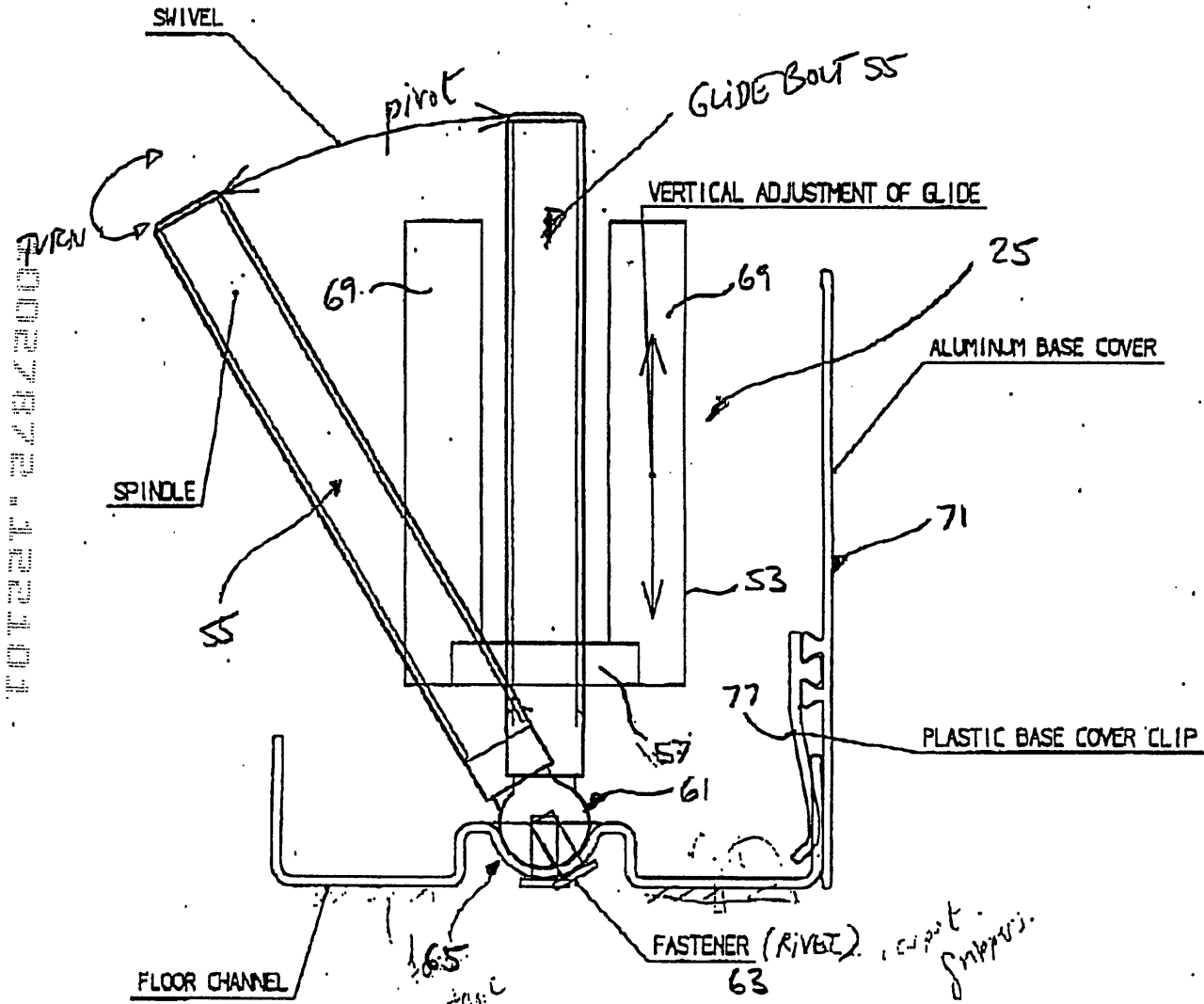
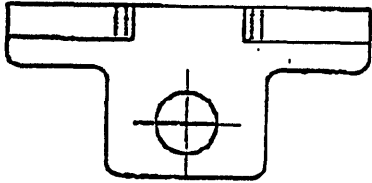
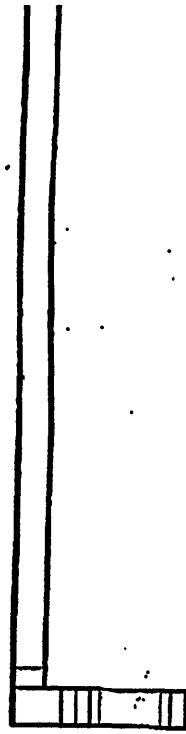
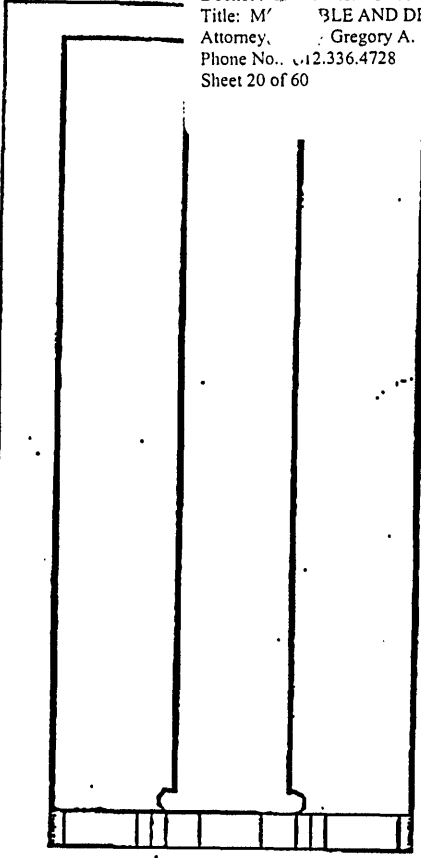
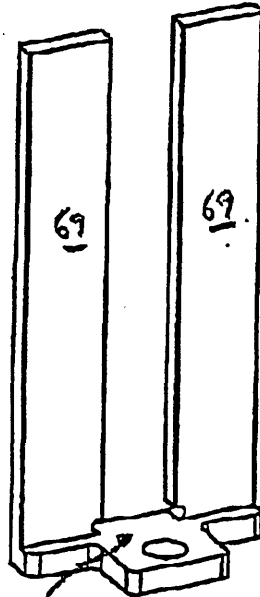


FIGURE 23

AAA
20/60



53



57

FIGURE 24

GLIDE

FOR THE "ELECTRO"

21/60

FOR SET 262200

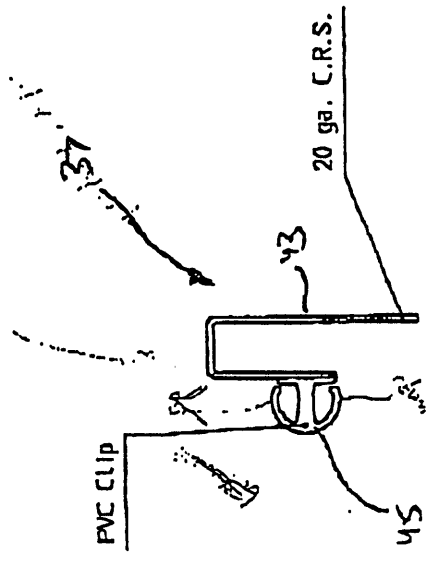


FIGURE 26

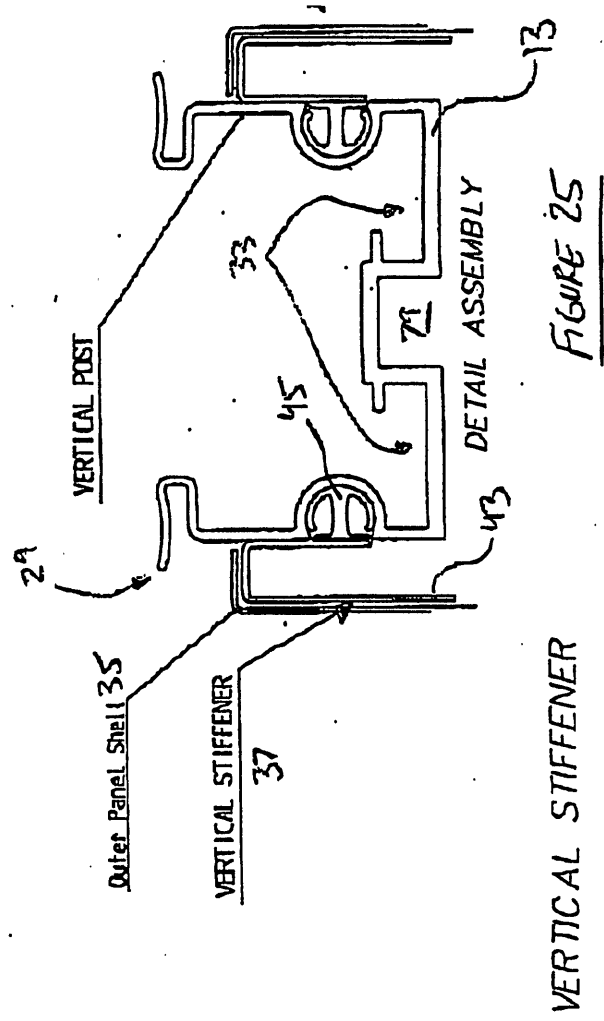


FIGURE 25

VERTICAL STIFFENER

22/60

"FOOT" SECTION DRAWING

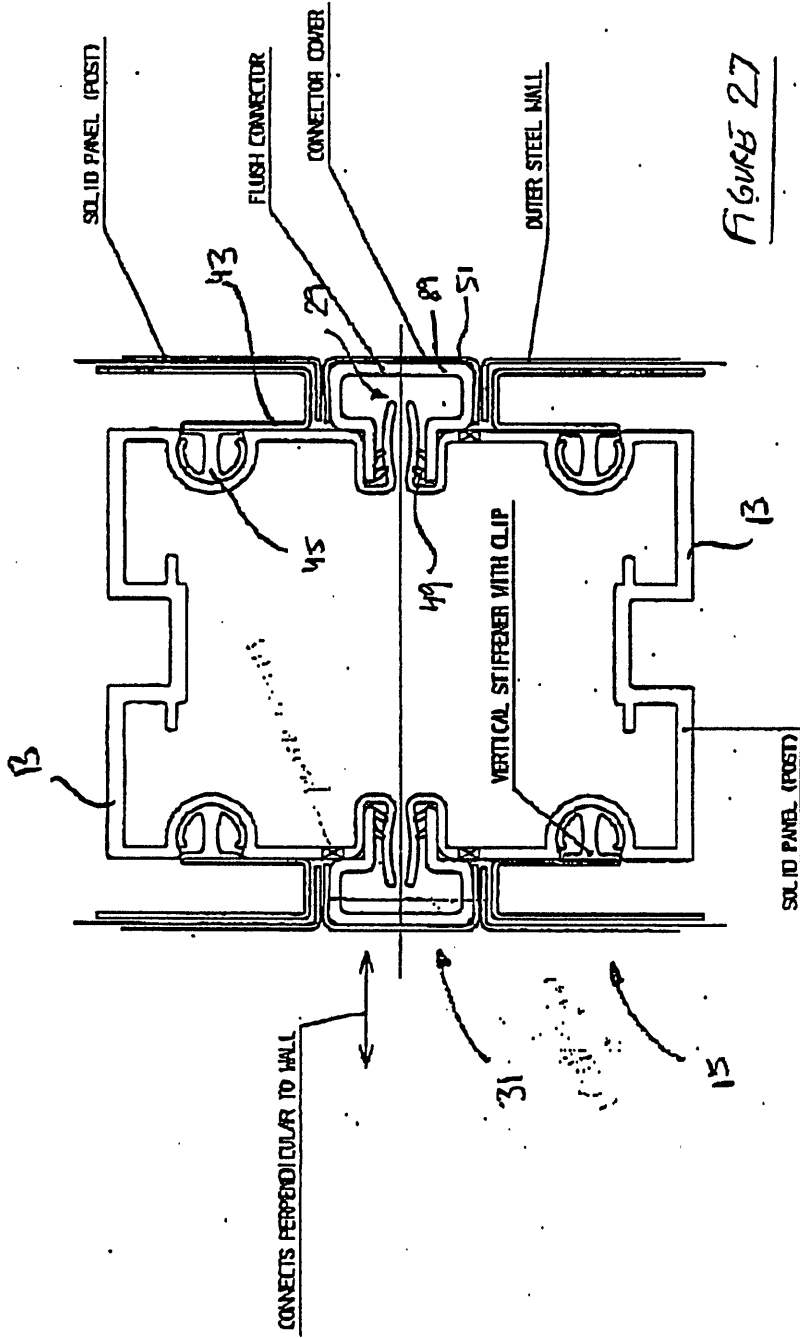


FIGURE 27

FLUSH CONNECTOR
 WITH ALU. CAP
 SOLID/SOLID CONDITION

FIGURE 28 DRAWING 7.5

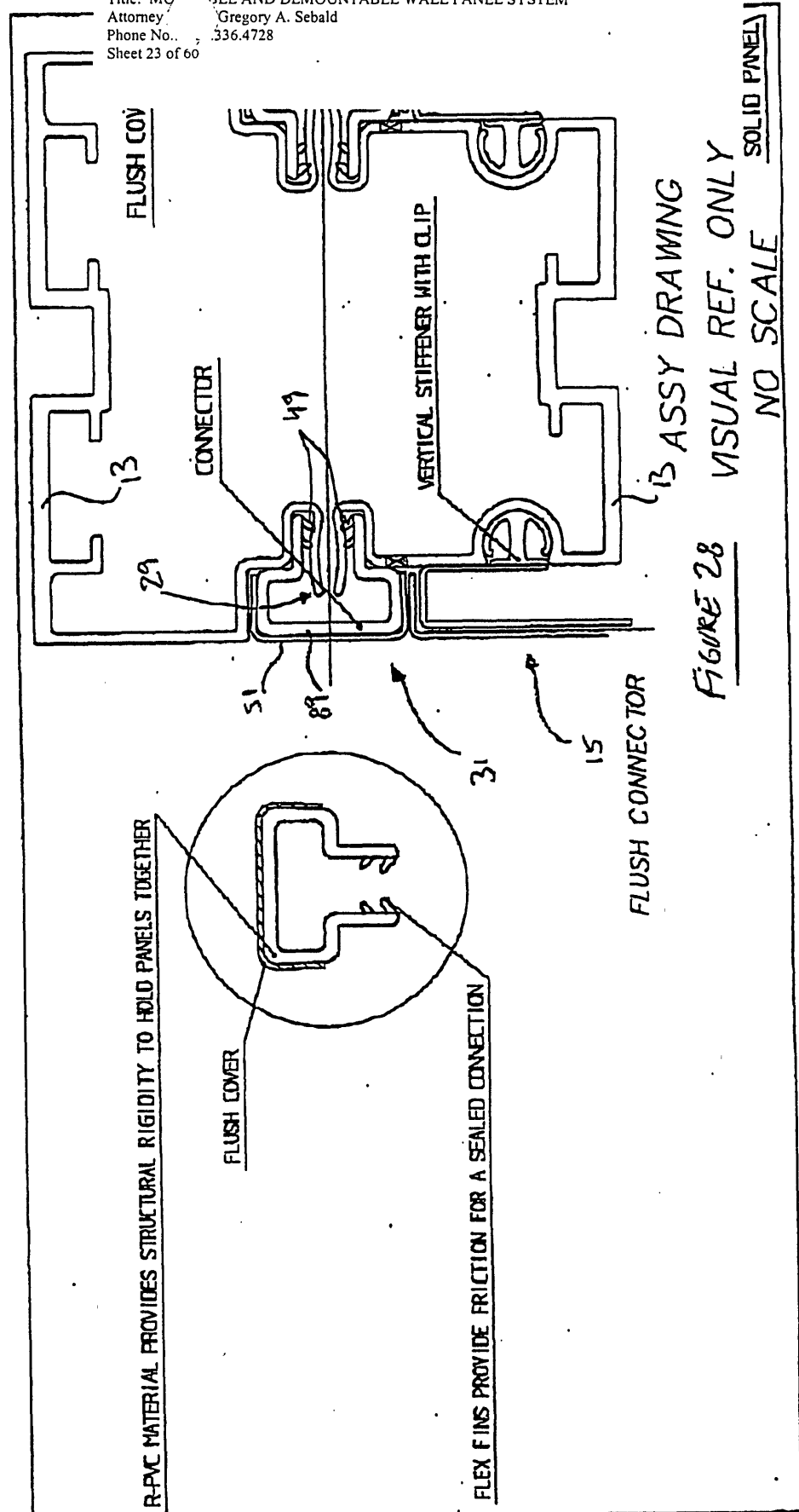
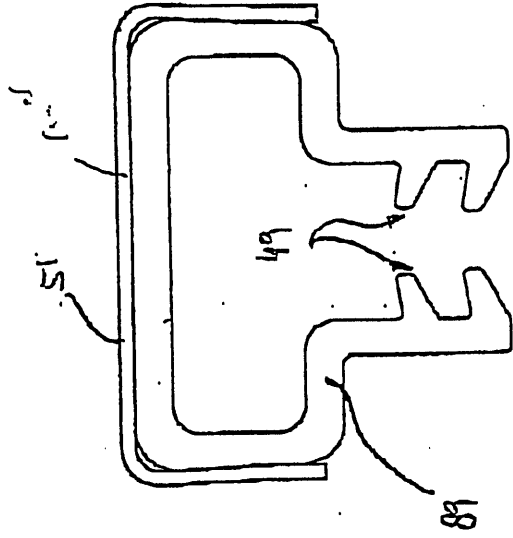


FIGURE 28
ASSY DRAWING
VISUAL REF. ONLY
NO SCALE
SOLID PANEL

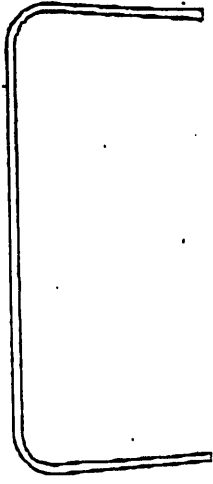
23/60

FOR THE COURT DRAWING N



VISUAL REF. ONLY

FIGURE 29

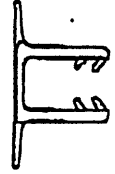
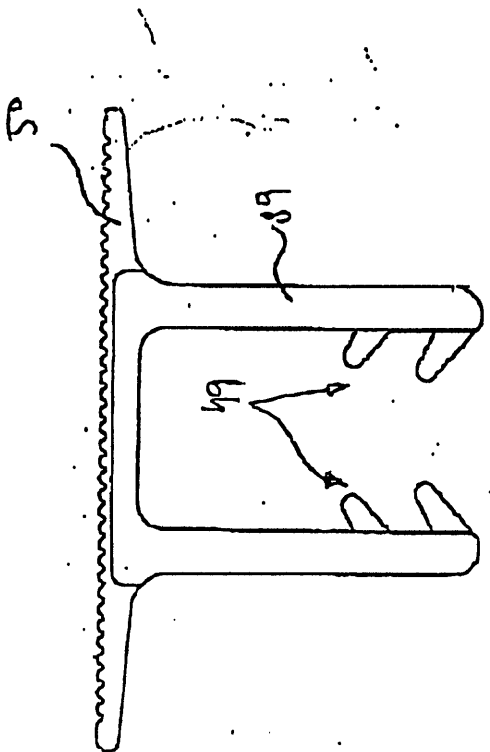


NOTES:

24/60

MATERIAL : 28 ga. ALU.

DRAWING P



ACTUAL SIZE

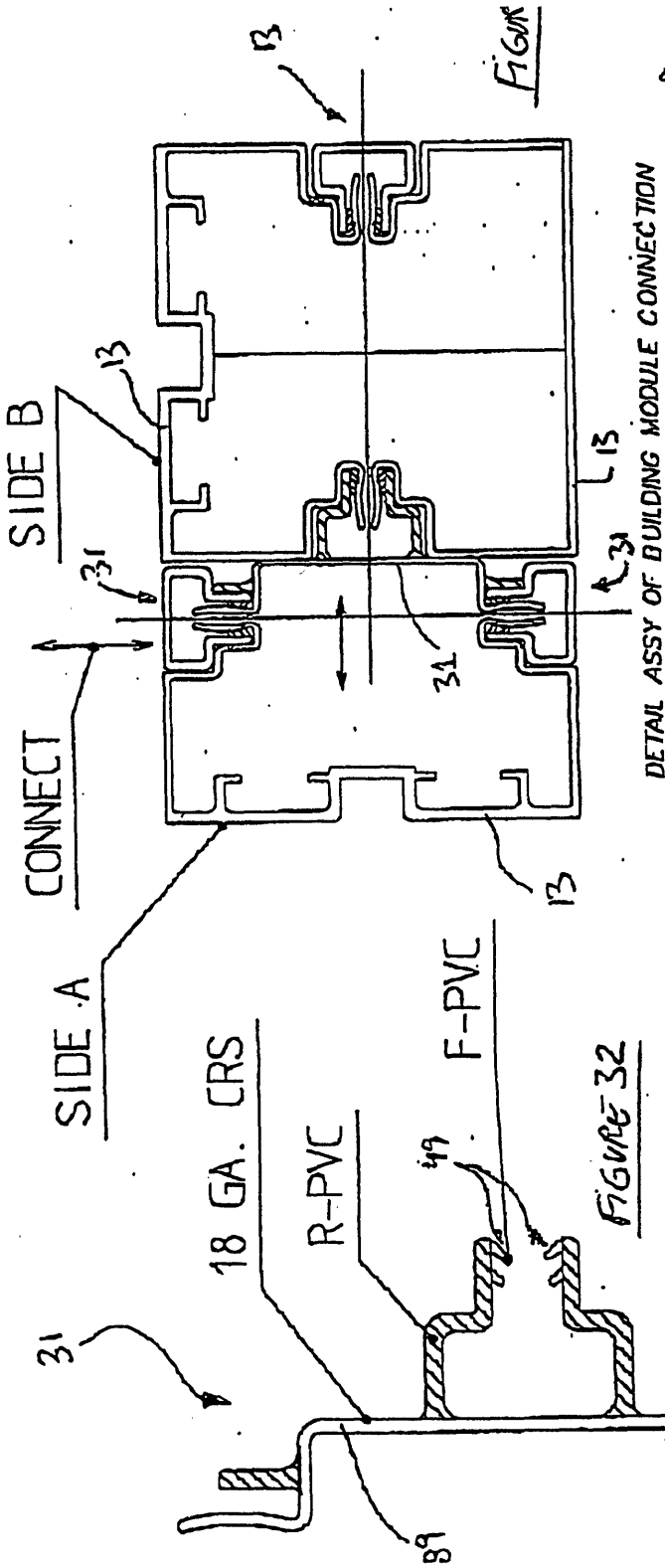
FIGURE 30

RECESSED CONNECTOR EXTRUSION

25/60

26/60

FOR THE COURT



NOVELTY:
 BUILDING MODULE CONNECTOR ALLOW ADJACENT 90° CORNERS
 TO CONNECT IN A NON-PROGRESSIVE MANNER

BUILDING MODULE
 CONNECTOR

27/60

FIGURE 24 DRAWING K

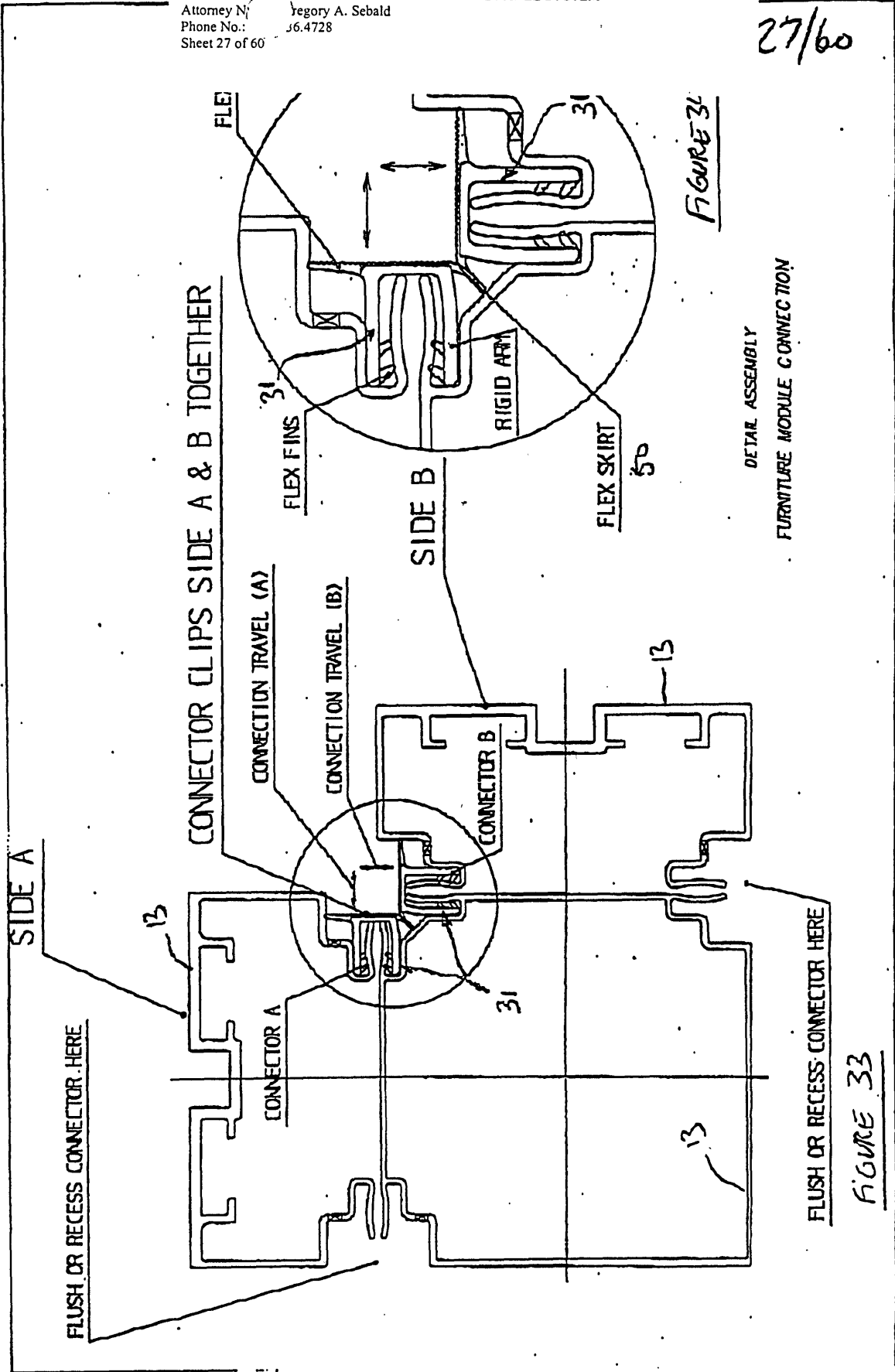


FIGURE 31

DETAIL ASSEMBLY
FURNITURE MODULE CONNECTION

FIGURE 33

28/60

DRYER DRAWING 1

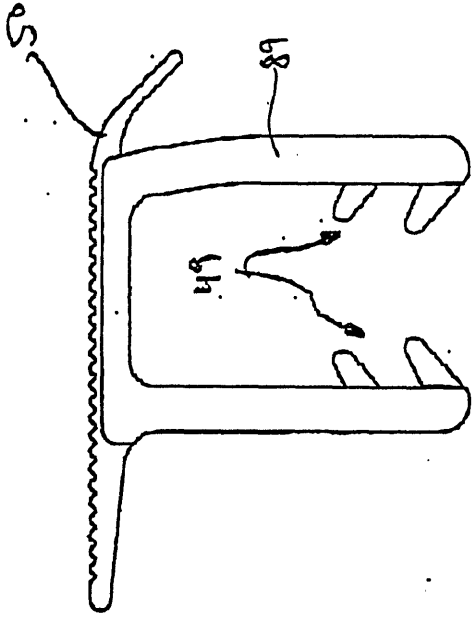
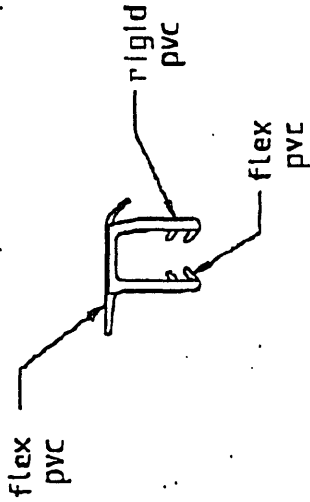


FIGURE 35



FURNITURE MODULE CONNECTOR

MM

29/60

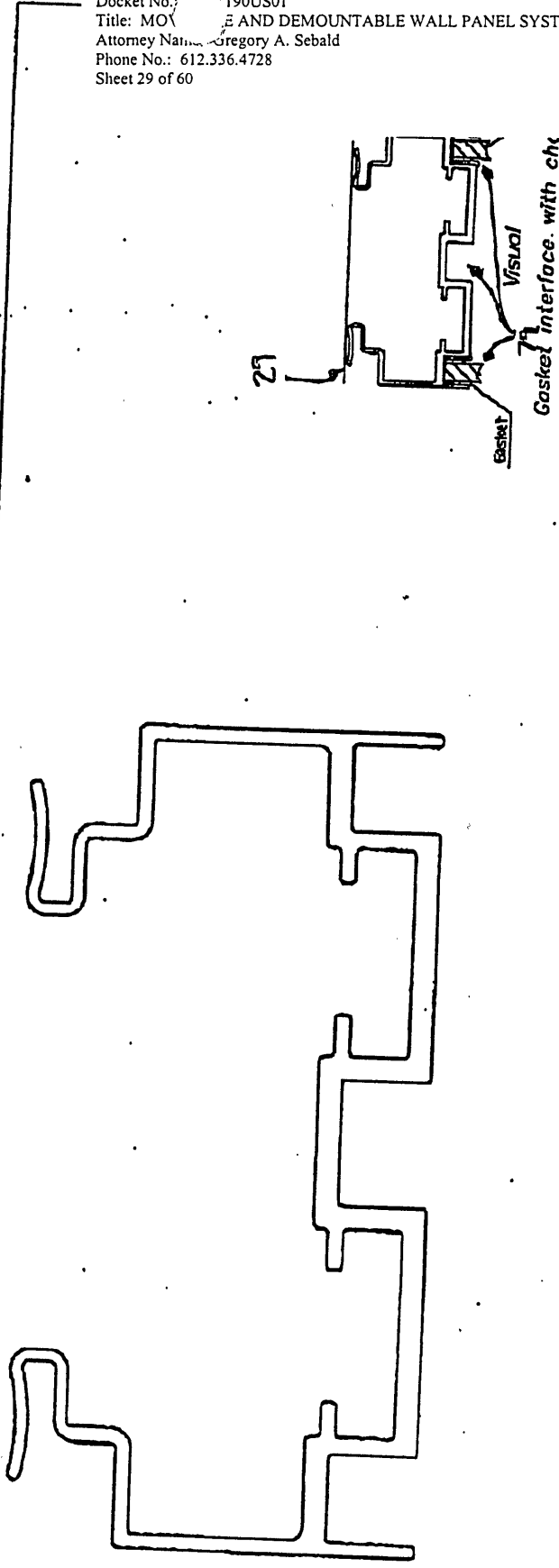


FIGURE 36

Double Glaze Vertical Post

FIGURE 36

JH
30/60

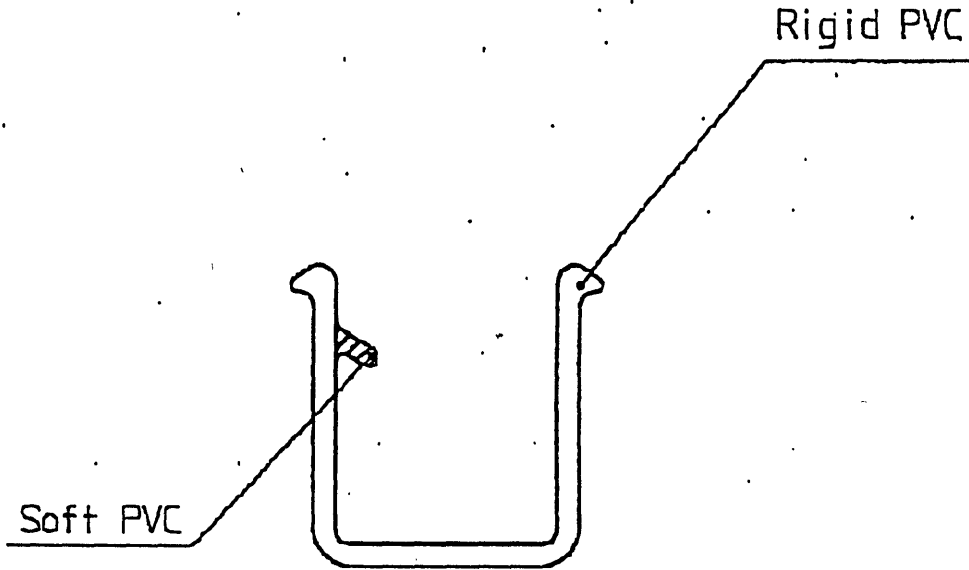
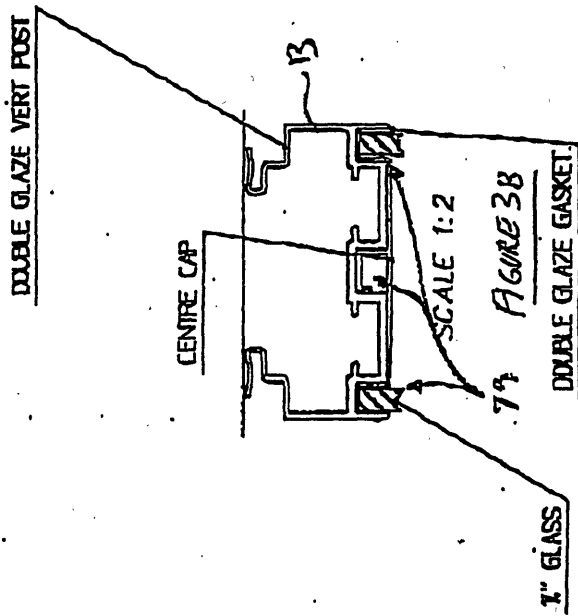


FIGURE 37

Double Glazing Gasket
Dual Durometer
Assymmetric

FOR PATENT APPLICATION

NN
31/60



CENTRE CAP
DOUBLE GLAZE CONDITION

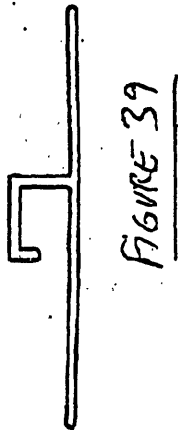
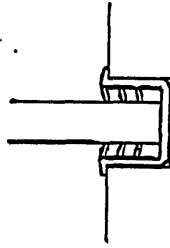


FIGURE 38

32/60 PP



ACTUAL SIZE

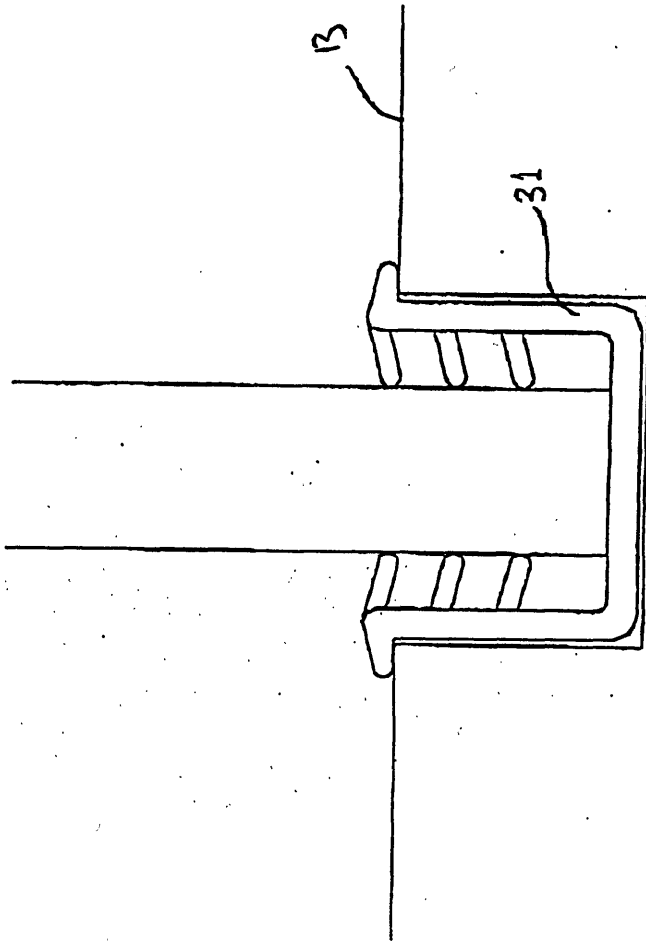


Figure 40

Single Glazing Gasket

1/4" GLASS

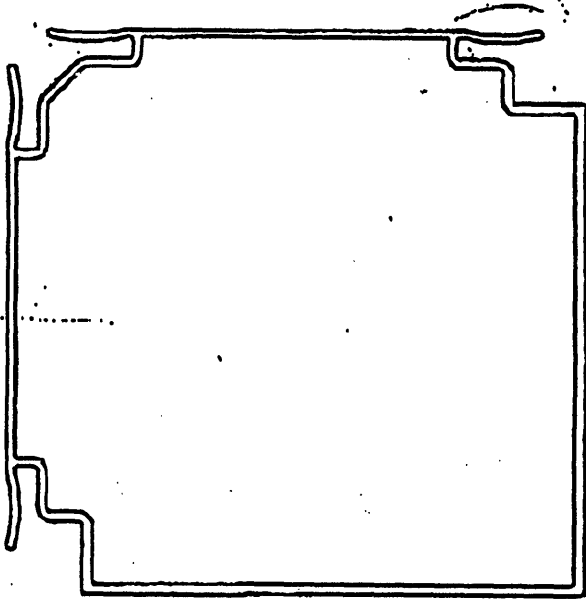
FIG. 40

CC

33/60

FIGURE 41

A



Furniture Module

2 Way Square Profile

FIGURE 41

DD.
34/60

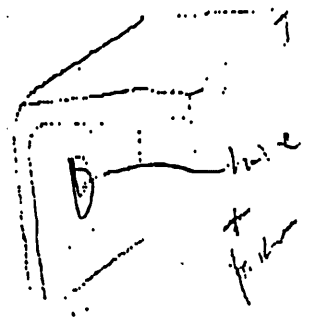
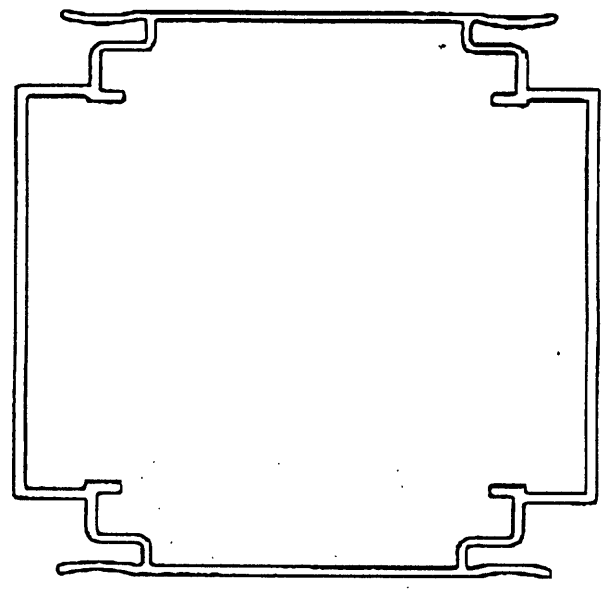


FIGURE 42



FURNITURE MODULE
180° POST

FIGURE 42

Expédit: Leger Rob

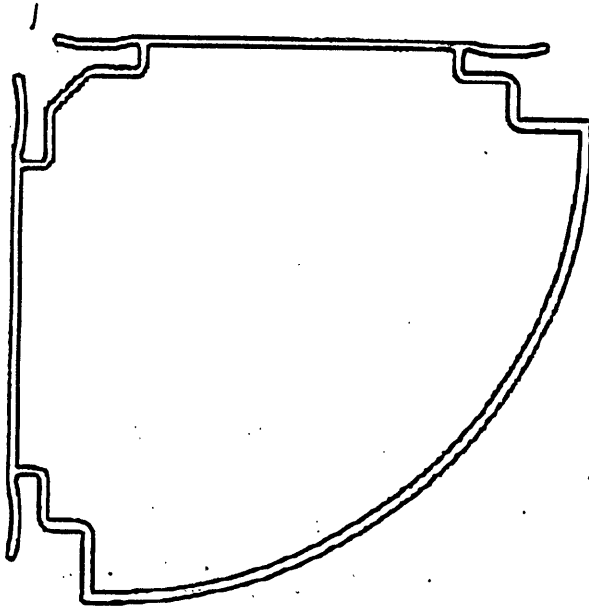
Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.1001/1501
Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: C. A. Sebold
Phone No.: 612.336.4728
Sheet 35 of 60

JetFax #919; Page 73/98

EE

35/60

FOR EXHIBIT



Furniture Module
Half Round 2 Way Connector

FIGURE 13

Expedit: Leger Robic

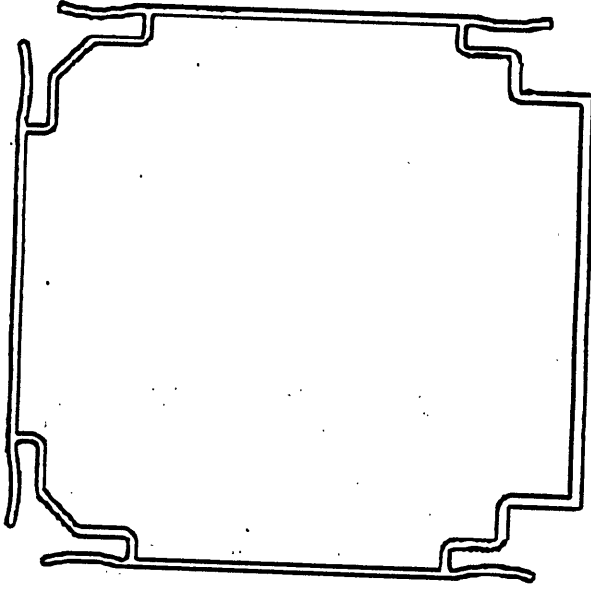
Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680 000US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 36 of 60

JefFax #919; Page 74/98

FF

36/60

FIGURE 44



Furniture Module

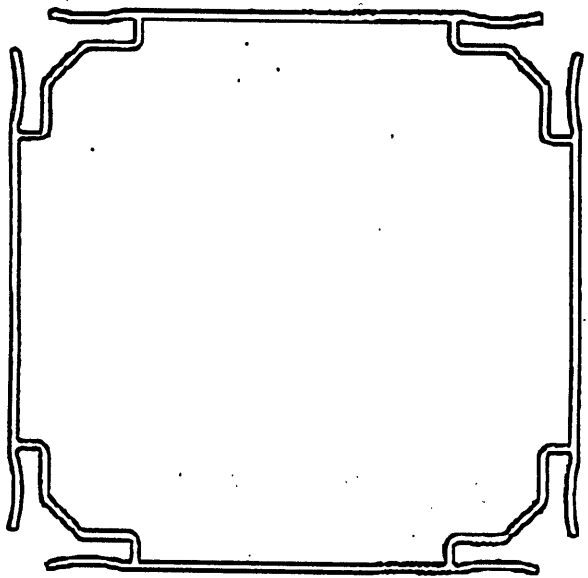
3 Way Connection Corner

FIGURE 44

66

37/60

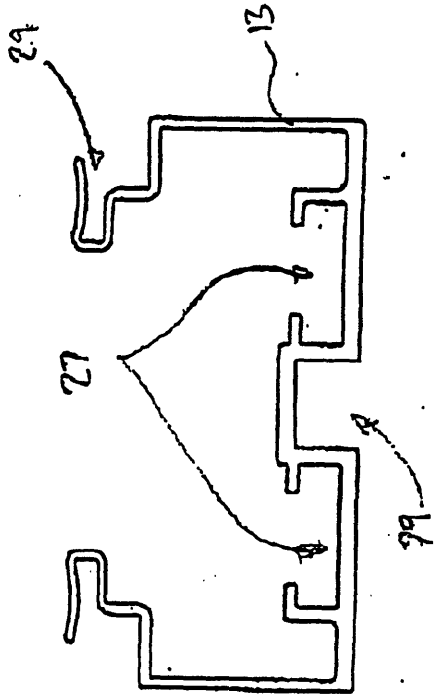
FOR REFERENCE



Furniture Module
4 Way Connection Carrier

FIGURE 45

38/60



GLASS VERTICAL POST

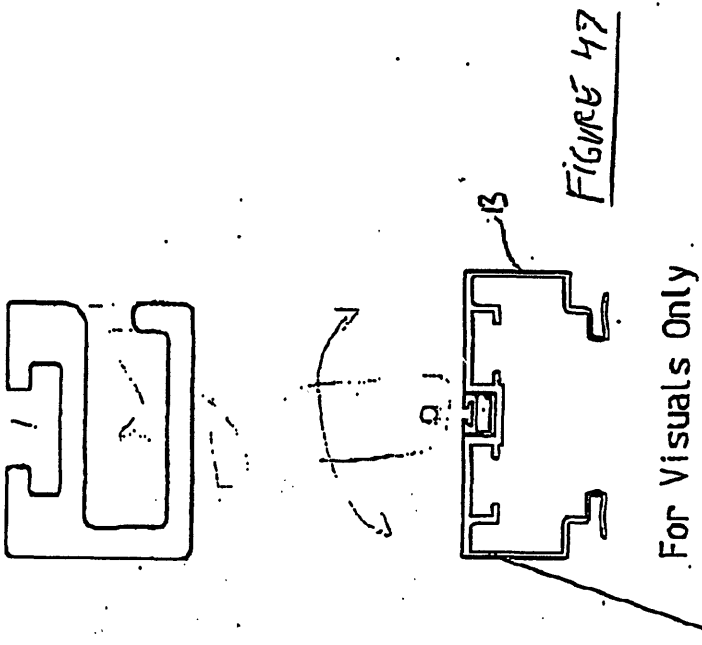
FIGURE 46

FIGURE 46

38/60

LL
39/60

FIGURE 47



Weatherstrip Holder

10/60

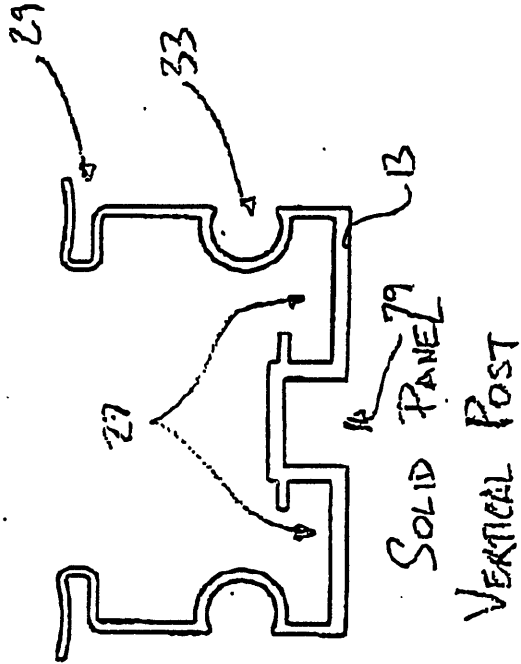
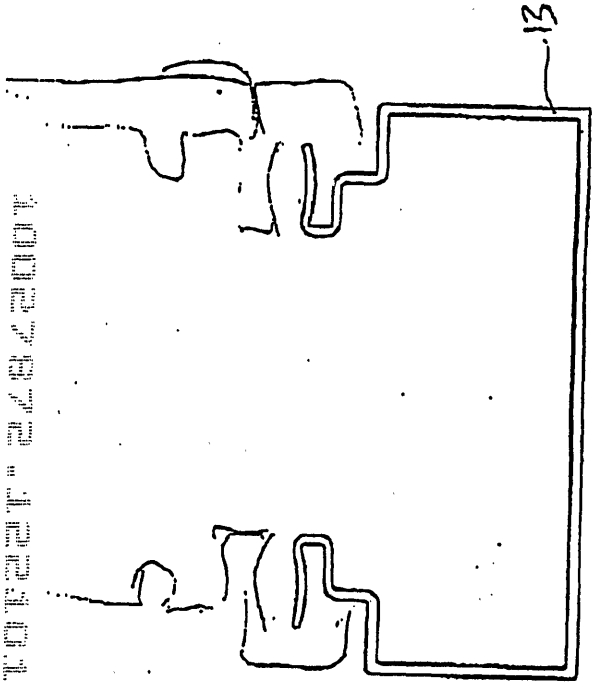


FIGURE 48

FOR REFERENCE

HHH

41/60



—Corner Profile—
Building Module

FIGURE 49

xx

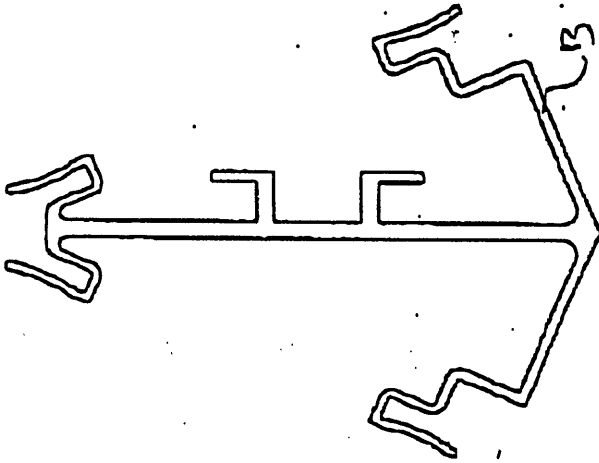
Expedient: Leger Rodic

Inventor: VON HOYNINGEN HUENE et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 610.64728
Sheet 42 of 60

FILED #919, Page 00750

42/60

FOOTER 242007



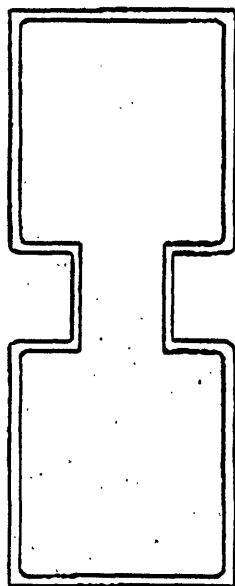
135° CORNER POST

FIGURE 50

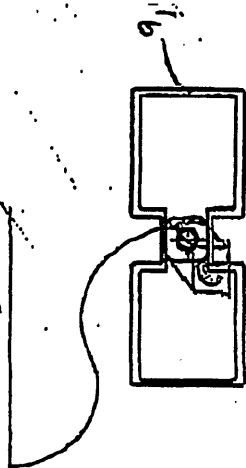
II

HM

43/60



Connecting Stud 21



Detail of profile with stud
For Visuals Only

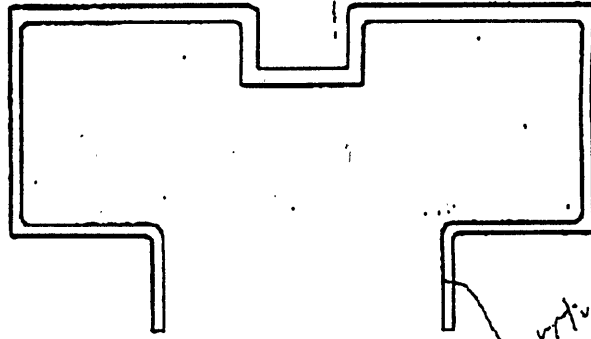
FIGURE 51

Glass/Glass Transition
Distance Channel

FIGURE 21

II

44/60



returning to fig 44

FIGURE 52

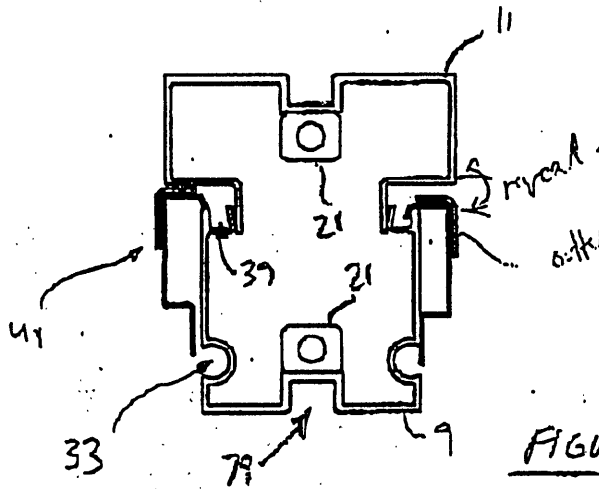


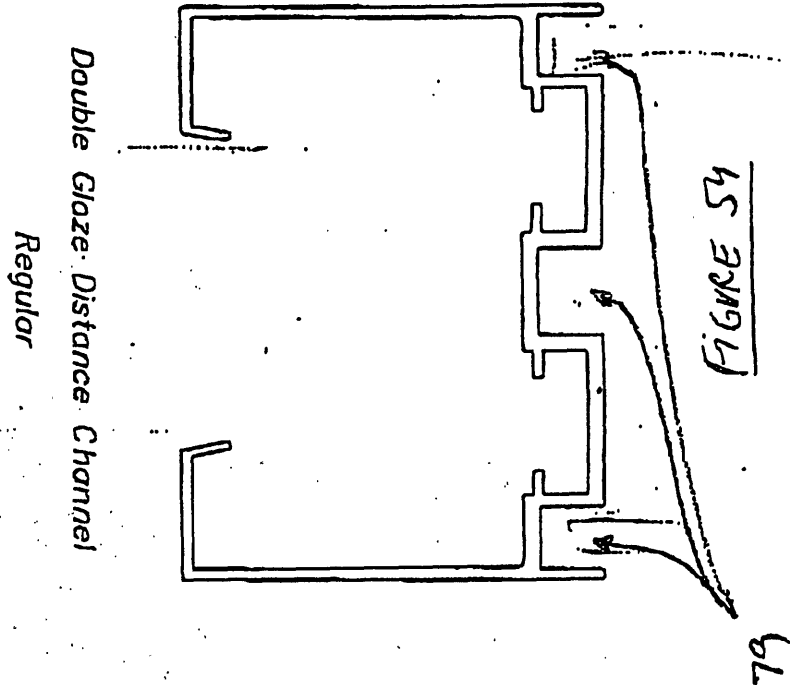
FIGURE 52

Detail Assembly
Visual reference

Glass / Solid Transition

Distance Channel

RR
46/60

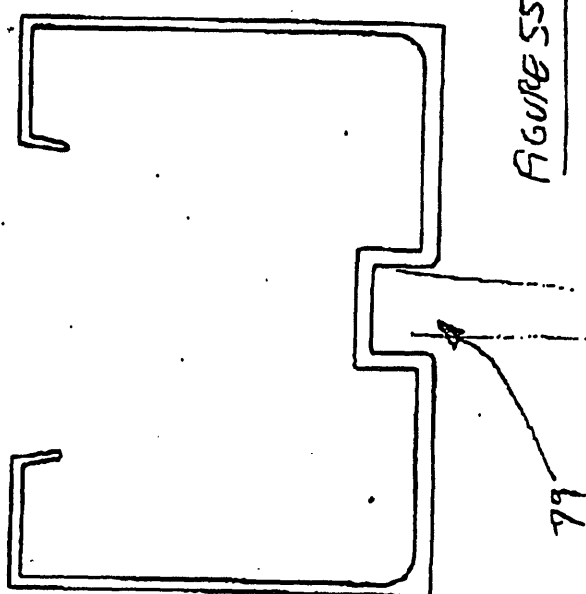


10027072 - 122104

Inventor: VON HOYNINGEN HUENE et al.
Docket N: 0.190US01
Title: MOUNTABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: Gregory A. Sebald
Phone No.: 612.336.4728
Sheet 47 of 60

DDD

47/60

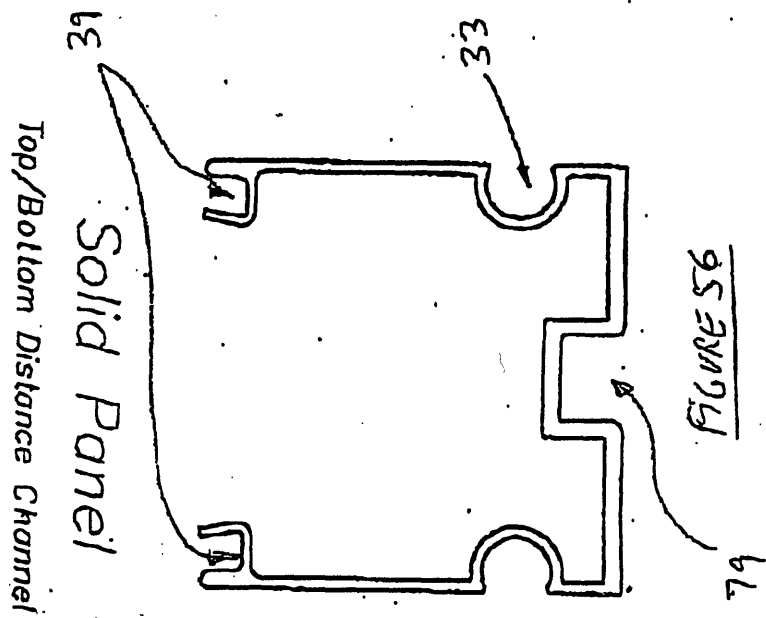


Glass Panel

Top/Bottom Distance Channel

DOCKET SHEET

III
4/8/60



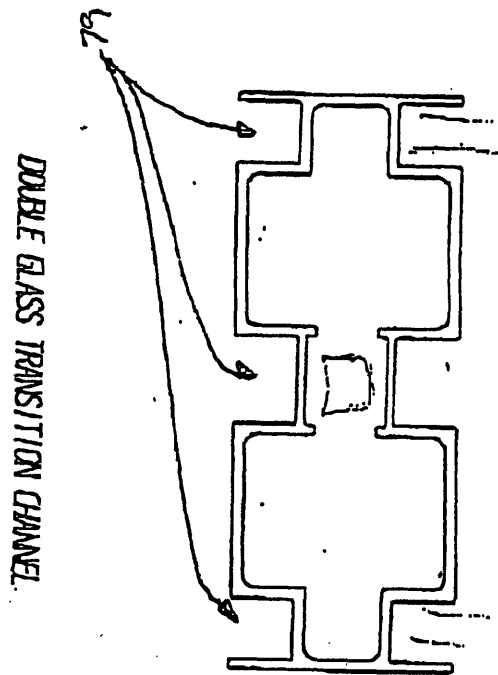
40027872, 422404

Expedite: Leger Robt

Inventor: VON HOYENGLER
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: [redacted] A. Sebald
Phone No.: 612. [redacted] 28
Sheet 49 of 60

JetFax #919; Page 87/98

77
49/60



DOUBLE GLASS TRANSITION CHANNEL.

FIGURE 57

10027872.1.22.10.1

Expedite: Leger Robt

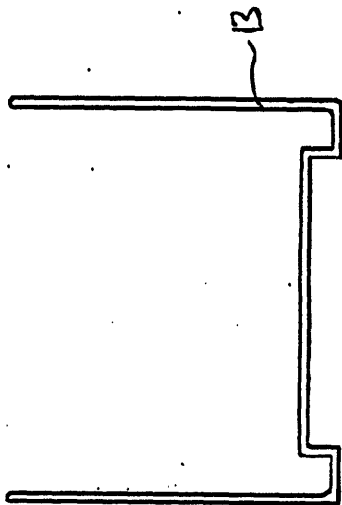
Inventor: VON HOYNINGER HEINRICH
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Attorney Name: J. A. Sebald
Phone No.: 612. /28
Sheet 50 of 60

Jefax #919; Page 88/98

JFS

50/60

FOR REFERENCE

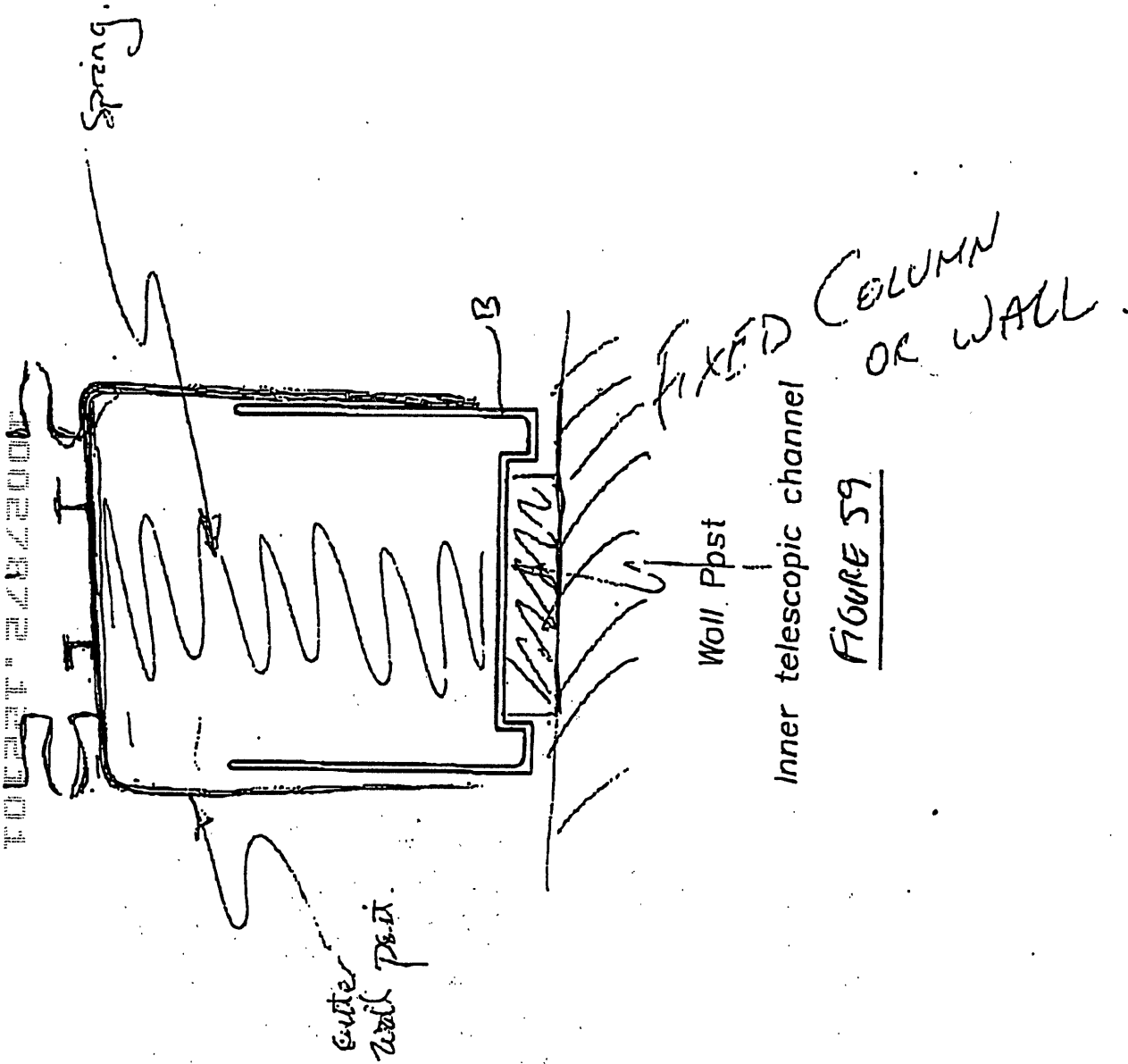


Wall Post

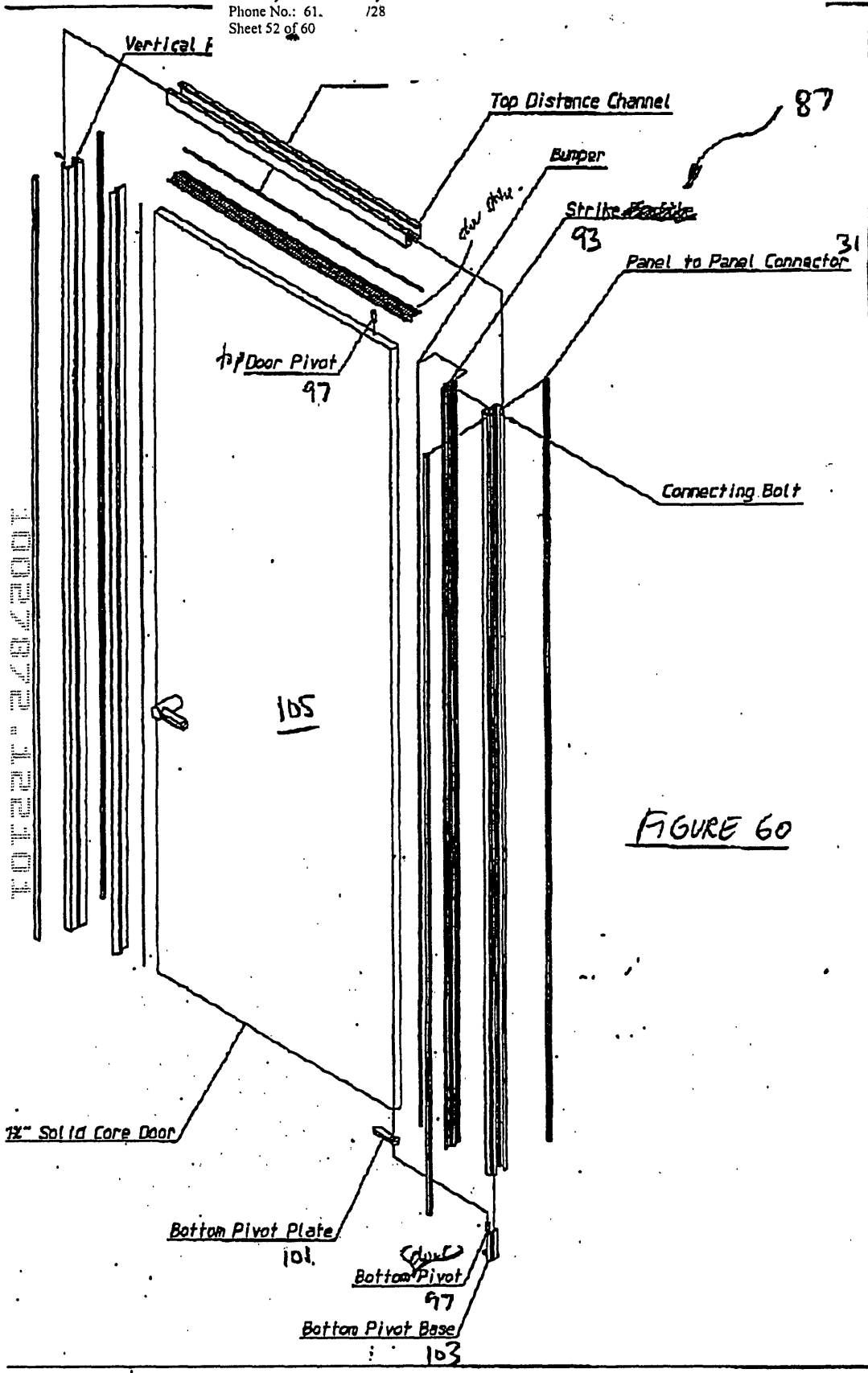
Inner telescopic channel

FIGURE 58

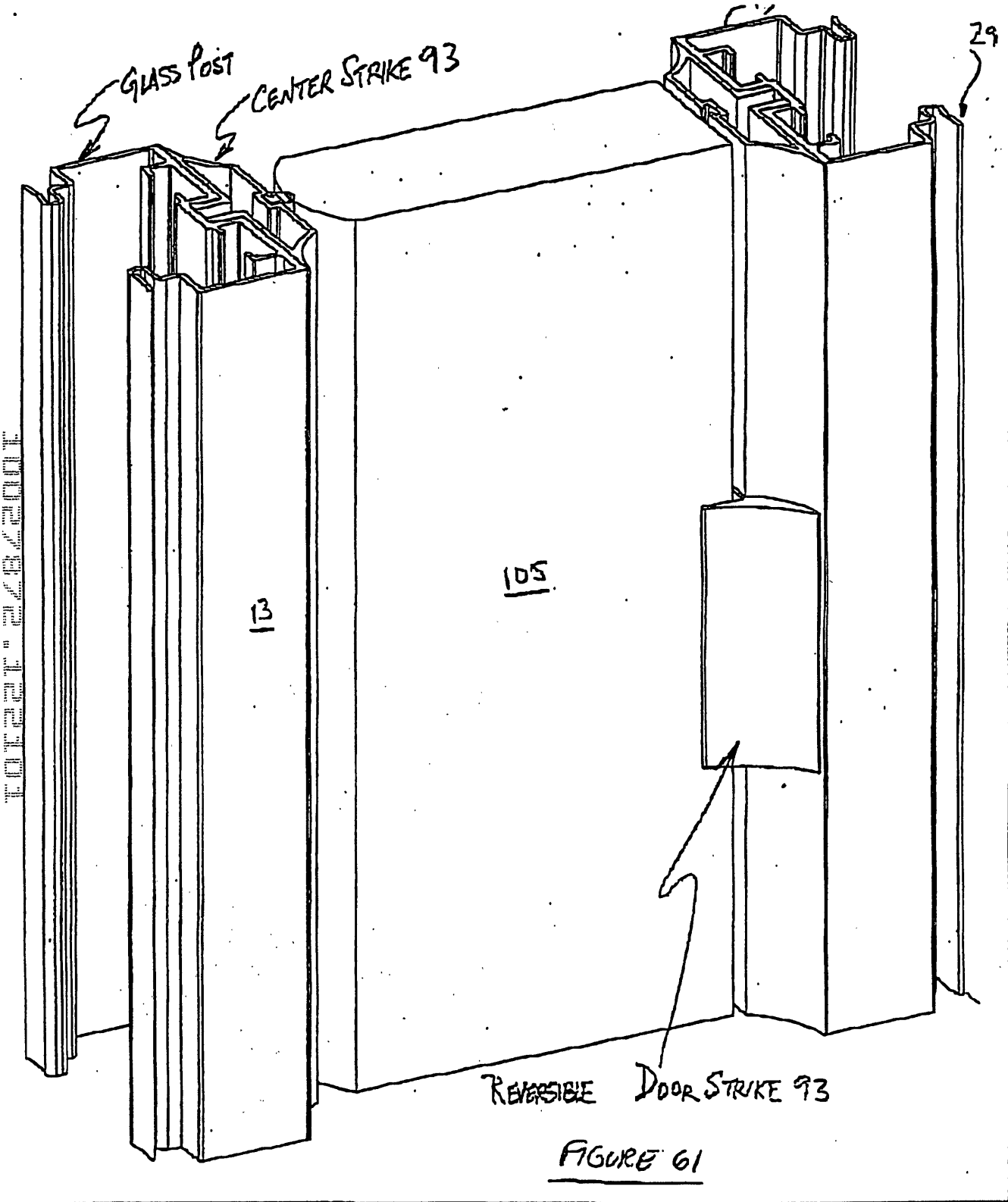
5/1/60



52/60



53/60



54/60

FIGURE 62

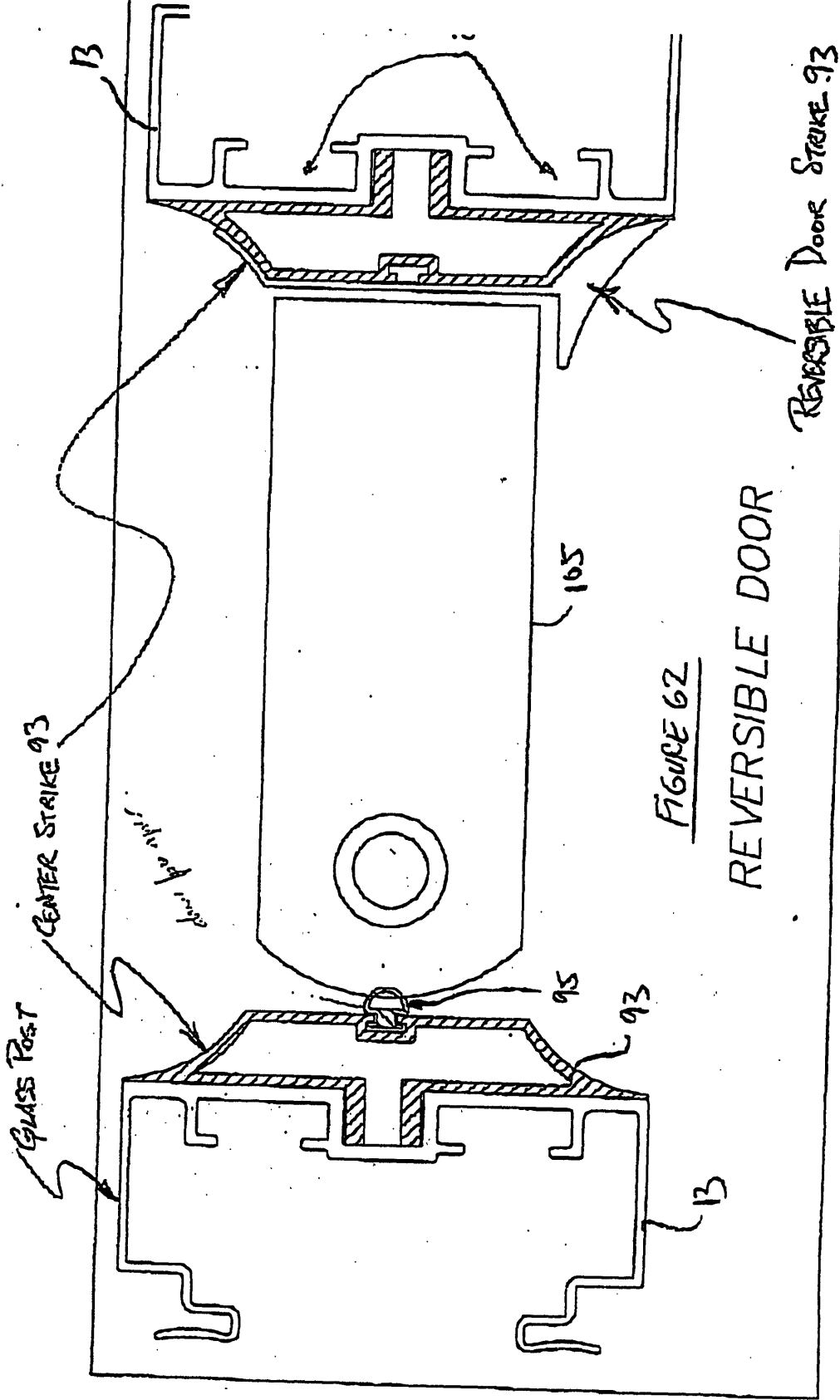


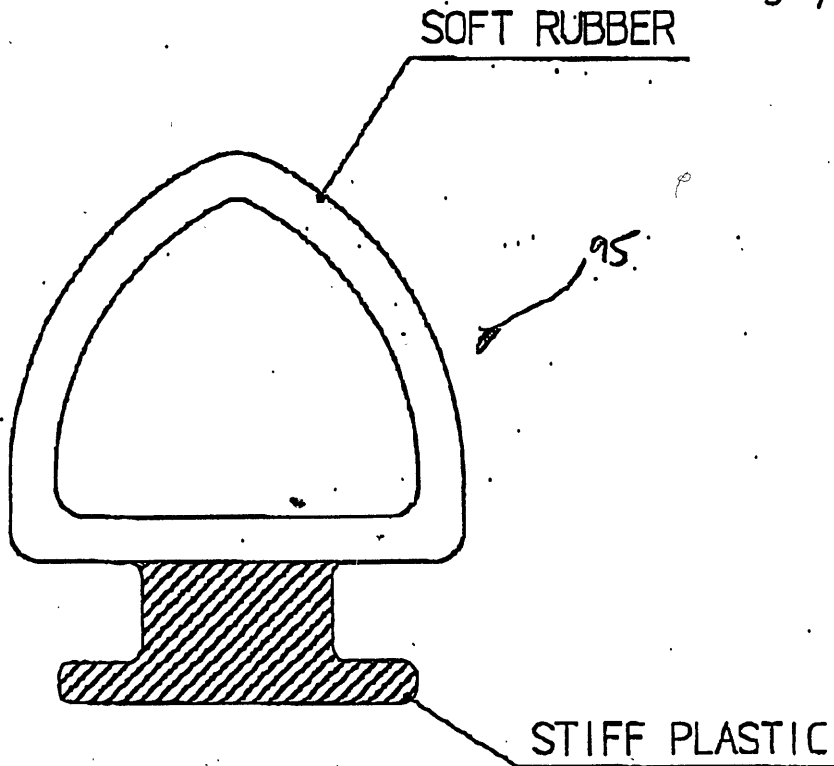
FIGURE 62

REVERSIBLE DOOR

REVERSIBLE DOOR STRIKE 93

35/60

ET



Door Bumper Profile

TPE / Polypro Coex

FIGURE 63

FOR FILE 2722007

56/60

FOR REFERENCE

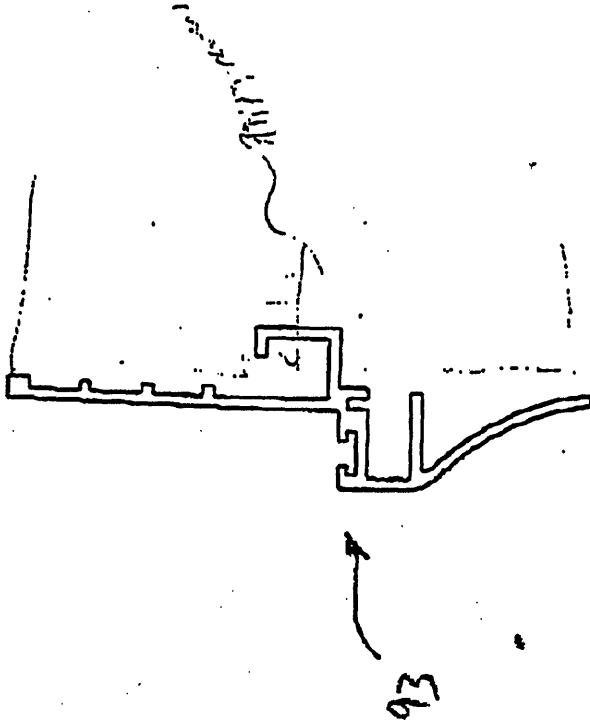


FIGURE 64

Door Strike

BBB

57/60

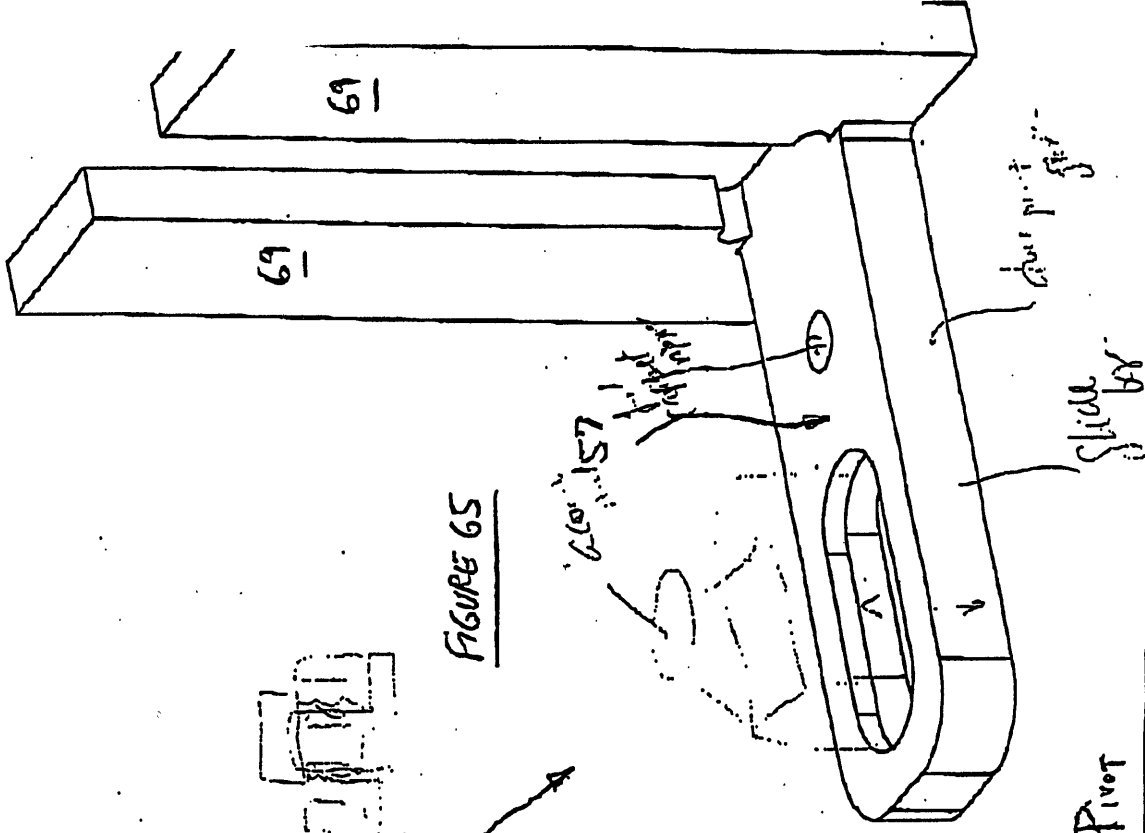
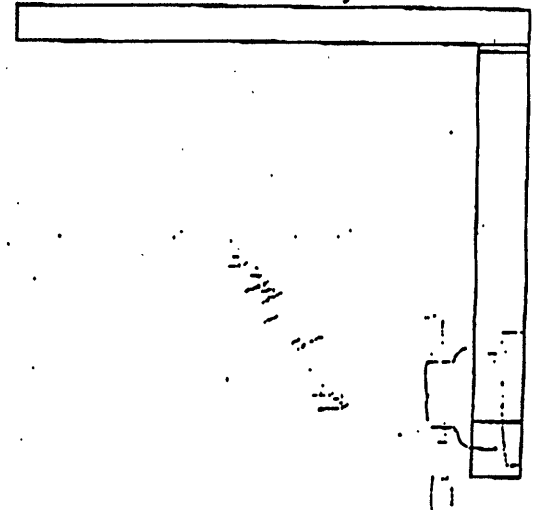
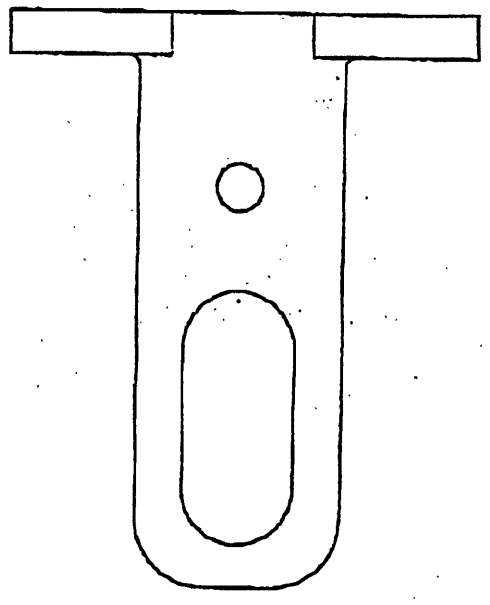


FIGURE 65

103

DOOR PIVOT



FOR REFERENCE

7/60 00

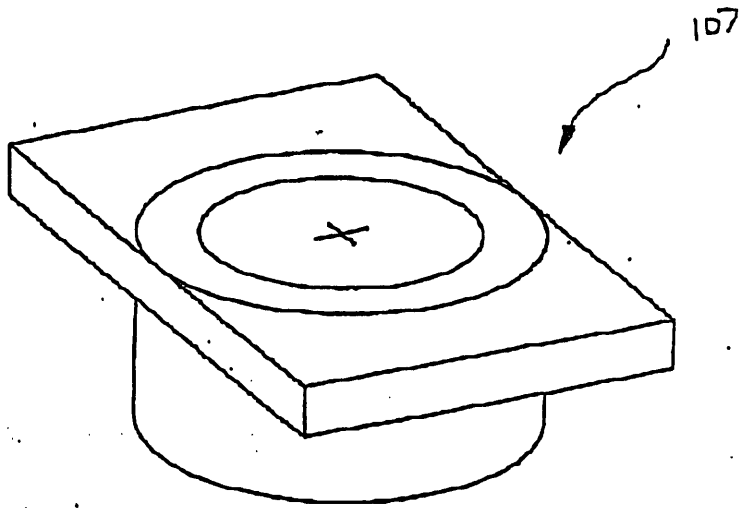


FIGURE 66

TOP PIVOT BUSHING

59/60

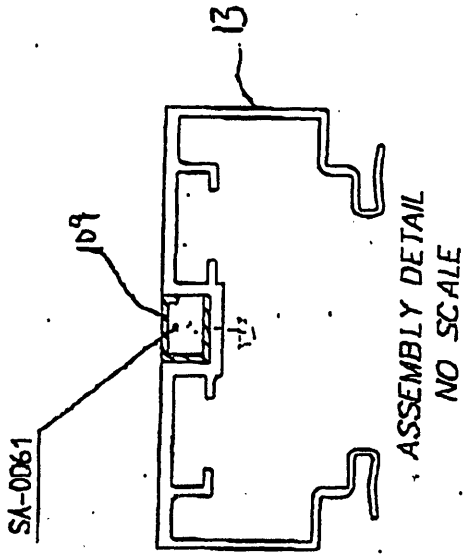
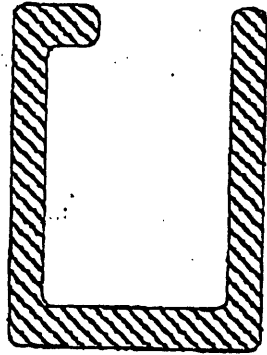


FIGURE 67

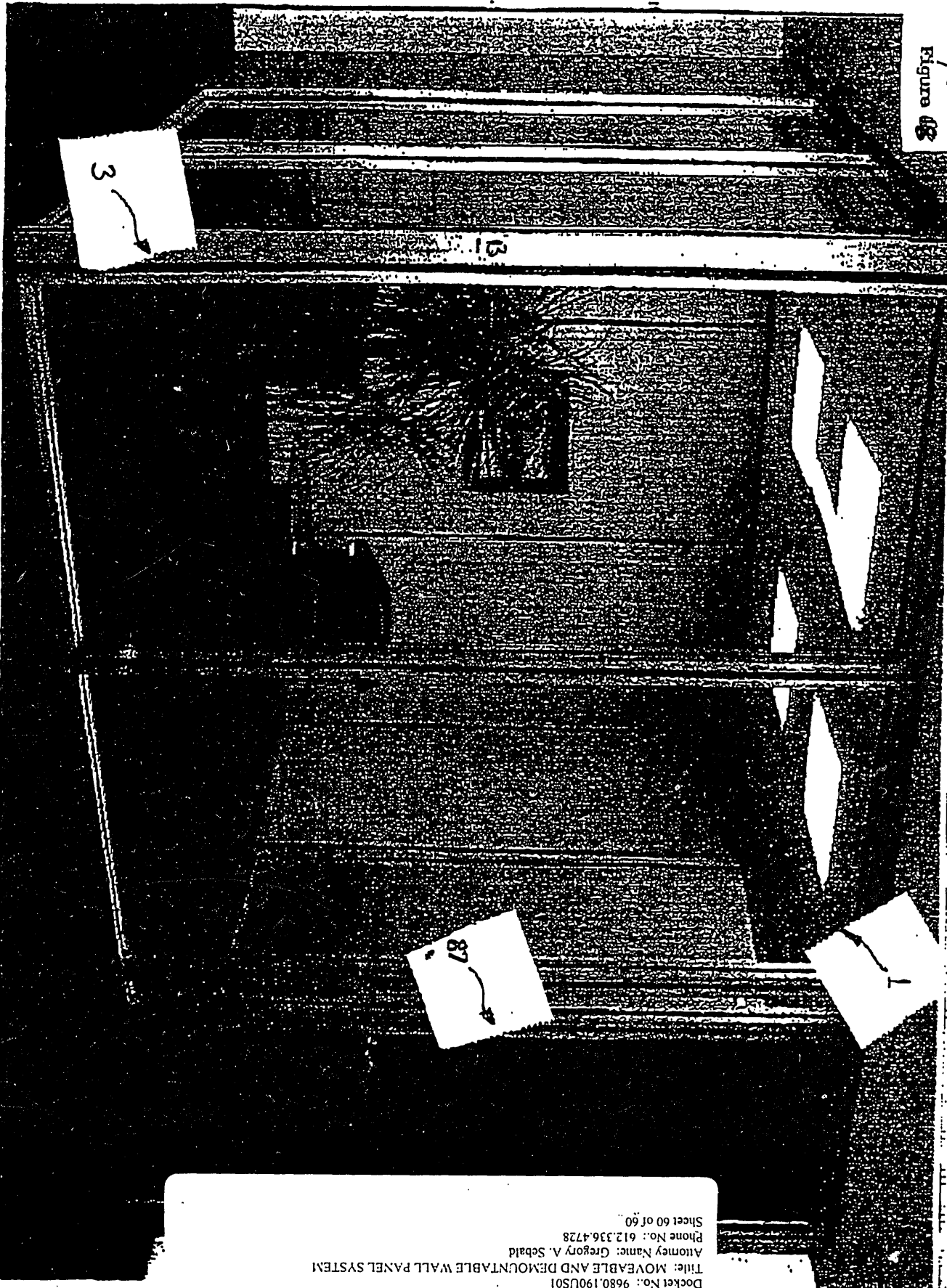


CLEAR OPENING FILLER STRIP

FIGURE 67

u

Figure 68



Expeditt: Legen Rodic R: Inventor: VON HOYNINGEN HUENE et al.
 Docket No.: 9680.190US01
 Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
 Attorney Name: Gregory A. Sebald
 Phone No.: 612.336.4728
 Sheet 60 of 60

Exhibit #919; Page 98/98

MERCHANT & GOULD P.C.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM

The specification of which

- a. is attached hereto
- b. was filed on December 21, 2001 as application serial no. _____ and was amended on _____ (if applicable) (in the case of a PCT-filed application) described and claimed in international no. _____ filed _____ and as amended on _____ (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. no such applications have been filed.
- b. such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
Canada	2,329,591	December 22, 2000	
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)

I acknowledge the duty to disclose information that is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (reprinted below):

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby appoint the following attorney, and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Albrecht, John W.	Reg. No. 40,481	Leonard, Christopher J.	Reg. No. 41,940
Ali, M. Jeffer	Reg. No. 46,359	Liepa, Mara E.	Reg. No. 40,066
Altera, Allan G.	Reg. No. 40,274	Lindquist, Timothy A.	Reg. No. 40,701
Anderson, Gregg I.	Reg. No. 28,828	Lown, Jean A.	Reg. No. 48,428
Batzli, Brian H.	Reg. No. 32,960	Mayfield, Denise L.	Reg. No. 33,732
Beard, John L.	Reg. No. 27,612	McDonald, Daniel W.	Reg. No. 32,044
Berns, John M.	Reg. No. 43,496	McIntyre, Jr., William F.	Reg. No. 44,921
Branch, John W.	Reg. No. 41,633	Mitchem, M. Todd	Reg. No. 40,731
Brown, Jeffrey C.	Reg. No. 41,643	Mueller, Douglas P.	Reg. No. 30,300
Bruess, Steven C.	Reg. No. 34,130	Nelson, Anna M.	Reg. No. 48,935
Byrne, Linda M.	Reg. No. 32,404	Paley, Kenneth B.	Reg. No. 38,989
Campbell, Keith	Reg. No. 46,597	Parsons, Nancy J.	Reg. No. 40,364
Carlson, Alan G.	Reg. No. 25,959	Pauly, Daniel M.	Reg. No. 40,123
Caspers, Philip P.	Reg. No. 33,227	Phillips, John B.	Reg. No. 37,206
Clifford, John A.	Reg. No. 30,247	Pino, Mark J.	Reg. No. 43,858
Cook, Jeffrey	Reg. No. 48,649	Prendergast, Paul	Reg. No. 46,068
Daignault, Ronald A.	Reg. No. 25,968	Pytel, Melissa J.	Reg. No. 41,512
Daley, Dennis R.	Reg. No. 34,994	Qualey, Terry	Reg. No. 25,148
Daulton, Julie R.	Reg. No. 36,414	Reich, John C.	Reg. No. 37,703
DeVries Smith, Katherine M.	Reg. No. 42,157	Reiland, Earl D.	Reg. No. 25,767
DiPietro, Mark J.	Reg. No. 28,707	Samuels, Lisa A.	Reg. No. 43,080
Doscotch, Matthew A.	Reg. No. P-48,957	Schmaltz, David G.	Reg. No. 39,828
Edell, Robert T.	Reg. No. 20,187	Schuman, Mark D.	Reg. No. 31,197
Epp Ryan, Sandra	Reg. No. 39,667	Schumann, Michael D.	Reg. No. 30,422
Glance, Robert J.	Reg. No. 40,620	Scull, Timothy B.	Reg. No. 42,137
Goff, Jared S.	Reg. No. 44,716	Sebald, Gregory A.	Reg. No. 33,280
Goggin, Matthew J.	Reg. No. 44,125	Skoog, Mark T.	Reg. No. 40,178
Golla, Charles E.	Reg. No. 26,896	Spellman, Steven J.	Reg. No. 45,124
Gorman, Alan G.	Reg. No. 38,472	Stewart, Alan R.	Reg. No. 47,974
Gould, John D.	Reg. No. 18,223	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Gregson, Richard	Reg. No. 41,804	Sullivan, Timothy	Reg. No. 47,981
Greens, John J.	Reg. No. 33,112	Sumner, John P.	Reg. No. 29,114
Hamer, Samuel A.	Reg. No. 46,754	Swenson, Erik G.	Reg. No. 45,147
Hamre, Curtis B.	Reg. No. 29,165	Tellekson, David K.	Reg. No. 32,314
Harrison, Kevin C.	Reg. No. 46,759	Trembath, Jon R.	Reg. No. 38,344
Hertzberg, Brett A.	Reg. No. 42,660	Tunheim, Marcia A.	Reg. No. 42,189
Hillson, Randall A.	Reg. No. 31,838	Underhill, Albert L.	Reg. No. 27,403
Holzer, Jr., Richard J.	Reg. No. 42,668	Vandenburgh, J. Derek	Reg. No. 32,179
Hope, Leonard J.	Reg. No. 44,774	Wahl, John R.	Reg. No. 33,044
Jardine, John S.	Reg. No. P-48,835	Weaver, Paul L.	Reg. No. 48,640
Johns, Nicholas P.	Reg. No. 48,995	Welter, Paul A.	Reg. No. 20,890
Johnston, Scott W.	Reg. No. 39,721	Whipps, Brian	Reg. No. 43,261
Kadievitch, Natalie D.	Reg. No. 34,196	Whitaker, John E.	Reg. No. 42,222
Kaseburg, Frederick A.	Reg. No. 47,695	Wier, David D.	Reg. No. P-48,229
Kettelberger, Denise	Reg. No. 33,924	Williams, Douglas J.	Reg. No. 27,054
Keys, Jeramie J.	Reg. No. 42,724	Withers, James D.	Reg. No. 40,376
Knearl, Homer L.	Reg. No. 21,197	Witt, Jonelle	Reg. No. 41,980
Kowalchyk, Alan W.	Reg. No. 31,535	Wong, Thomas S.	Reg. No. 48,577
Kowalchyk, Katherine M.	Reg. No. 36,848	Wu, Tong	Reg. No. 43,361
Lacy, Paul E.	Reg. No. 38,946	Young, Thomas	Reg. No. 25,796
Larson, James A.	Reg. No. 40,443	Zeuli, Anthony R.	Reg. No. 45,255

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant & Gould P.C. to the contrary.

I understand that the execution of this document, and the grant of a power of attorney, does not in itself establish an attorney-client relationship between the undersigned and the law firm Merchant & Gould P.C., or any of its attorneys.

Please direct all correspondence in this case to Merchant & Gould P.C. at the address indicated below:

Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name VON HOYNINGEN HUENE	First Given Name Eberhard	Second Given Name
	Residence & Citizenship	City Hudson	State or Foreign Country Quebec	Country of Citizenship Canada
1	Mailing Address	Address 107 Cote St-Charles	City Hudson	State & Zip Code/Country Quebec JOP 1H0/Canada
Signature of Inventor 201:				Date:
2	Full Name Of Inventor	Family Name SALZMAN	First Given Name Michael	Second Given Name
	Residence & Citizenship	City Dollard-des-Ormeaux	State or Foreign Country Quebec	Country of Citizenship Canada
2	Mailing Address	Address 271 Ernest	City Dollard-des-Ormeaux	State & Zip Code/Country Quebec H9A 3G4/Canada
Signature of Inventor 202:				Date:
2	Full Name Of Inventor	Family Name BOYER	First Given Name Geoffrey	Second Given Name
	Residence & Citizenship	City Pointe-Claire	State or Foreign Country Quebec	Country of Citizenship Canada
3	Mailing Address	Address 292 Inglewood Avenue	City Pointe-Claire	State & Zip Code/Country Quebec H9R 2Z5/Canada
Signature of Inventor 203:				Date:

S/N unknown

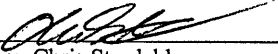
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: VON HOYNINGEN HUENE et al. Serial No.: unknown
 Filed: concurrent herewith Docket No.: 9680.190US01
 Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM

jc997 U.S. PTO
 10/027872

 12/21/01

CERTIFICATE UNDER 37 CFR 1.10
 'Express Mail' mailing label number: EV 037644953 US
 Date of Deposit: December 21, 2001
 I hereby certify that this correspondence is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.
 By: 
 Name: Chris Stordahl

COMMUNICATION REGARDING PRIORITY CLAIM

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Applicants hereby claim the benefit under Title 35, United States Code § 119 of foreign priority as follows:

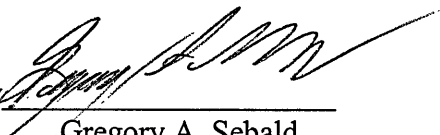
<u>Application No.</u>	<u>Filing Date</u>	<u>Country</u>
2,329,591	December 22, 2000	Canada

The priority document(s) will be furnished at a later date.

Respectfully submitted,

MERCHANT & GOULD P.C.
 P.O. Box 2903
 Minneapolis, Minnesota 55402-0903
 (612) 332-5300

Dated: December 21, 2001

By: 
 Gregory A. Sebald
 Reg. No. 33,280

GAS/pjk


UNITED STATES PATENT AND TRADEMARK OFFICE

 COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/027,872	12/21/2001	Eberhard Von Hoyningen Huene	9680.190US01

CONFIRMATION NO. 1026

FORMALITIES LETTER



OC000000007367208

 23552
 MERCHANT & GOULD PC
 P.O. BOX 2903
 MINNEAPOLIS, MN 55402-0903

Date Mailed: 01/25/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION
FILED UNDER 37 CFR 1.53(b)
Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);
 - Drawings must be reasonably free from erasures and must be free from alterations, overwritings, interlineations, folds, and copy marks.
 - drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e));

*A copy of this notice **MUST** be returned with the reply.*

Z. Araya

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 3 - OFFICE COPY




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

23

Applicant:	VON HOYNINGEN HUENE, et al.	Examiner:	Unknown
Serial No.:	10/027872	Group Art Unit:	Unknown
Filed:	December 21, 2001	Docket:	9680.190US01
Confirmation No.:	n/a	Notice of Allow. Date:	n/a
Due Date:	March 25, 2002		
Title:	MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM		

CERTIFICATE UNDER 37 CFR 1.10
 'Express Mail' mailing label number: EV 036305928 US
 Date of Deposit: March 22, 2002
 I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

By: 
 Chris Stordahl

Missing Parts
 Commissioner for Patents
 Washington, D.C. 20231

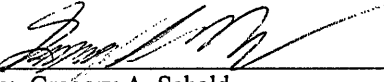
Sir:

We are transmitting herewith the attached:

- Transmittal Sheet in duplicate containing Certificate of Mailing
- Notice to File Missing Parts of NonProvisional Application - Part 2
- Certified copy of a Canadian application, Serial No. 2,329,591, filed December 22, 2000, the right of priority of which is claimed under 35 U.S.C. 119
- Signed Combined Declaration and Power of Attorney
- Information Disclosure Statement, Form 1449, 20 Reference(s)
- Submission of Formal Drawings, 60 Sheets of Formal Drawings
- Application Data Sheet, 4 pages
- Check(s) in the amount of \$130 for payment of Missing Parts Completion Fee
- Other: Submission of Missing Parts; Associate Power of Attorney
- Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
 P.O. Box 2903, Minneapolis, MN 55402-0903
 612.332.5300

By: 
 Name: Gregory A. Sebald
 Reg. No.: 33,280
 GAS/pjk



03-95-021000707#000000

MP
#3



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	VON HOYNINGEN HUENE, et al.	Examiner:	Unknown
Serial No.:	10/027872	Group Art Unit:	Unknown
Filed:	December 21, 2001	Docket:	9680.190US01
Confirmation No.:	n/a	Notice of Allow. Date:	n/a
Due Date:	March 25, 2002		
Title:	MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM		

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV 036305928 US
Date of Deposit: March 22, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

By: Chris Stordahl
Chris Stordahl

Missing Parts
Commissioner for Patents
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- Transmittal Sheet in duplicate containing Certificate of Mailing
- Notice to File Missing Parts of NonProvisional Application - Part 2
- Certified copy of a Canadian application, Serial No. 2,329,591, filed December 22, 2000, the right of priority of which is claimed under 35 U.S.C. 119
- Signed Combined Declaration and Power of Attorney
- Information Disclosure Statement, Form 1449, 20 Reference(s)
- Submission of Formal Drawings, 60 Sheets of Formal Drawings
- Application Data Sheet, 4 pages
- Check(s) in the amount of \$130 for payment of Missing Parts Completion Fee
- Other: Submission of Missing Parts; Associate Power of Attorney
- Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: Gregory A. Sebald
Name: Gregory A. Sebald
Reg. No.: 33,280
GAS/pjk



(PTO TRANSMITTAL - GENERAL)



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/027,872	12/21/2001	Eberhard Von Hoyningen Huene	9680.190US01

23552
MERCHANT & GOULD PC
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

CONFIRMATION NO. 1026

FORMALITIES LETTER



OC000000007367208

Date Mailed: 01/25/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);
 - Drawings must be reasonably free from erasures and must be free from alterations, overwritings, interlineations, folds, and copy marks.
 - drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e));

*A copy of this notice **MUST** be returned with the reply.*

400 707 44 44 44 44

Page 2 of 2

Z. Araya

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



**Office de la propriété
intellectuelle
du Canada**

Un organisme
d'Industrie Canada

**Canadian
Intellectual Property
Office**

An Agency of
Industry Canada

*S. T. 4
8-9-02*

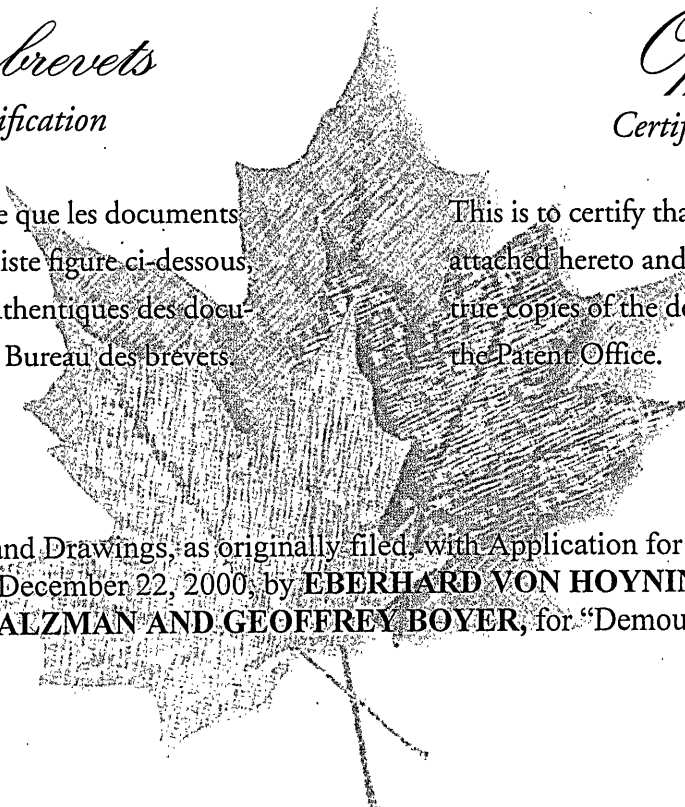


*Bureau canadien
des brevets
Certification*

*Canadian Patent
Office
Certification*

La présente atteste que les documents
ci-joints, dont la liste figure ci-dessous,
sont des copies authentiques des docu-
ments déposés au Bureau des brevets.

This is to certify that the documents
attached hereto and identified below are
true copies of the documents on file in
the Patent Office.



Specification and Drawings, as originally filed, with Application for Patent Serial No:
2,329,591, on December 22, 2000, by **EBERHARD VON HOYNINGEN HUENE,
MICHAEL SALZMAN AND GEOFFREY BOYER**, for "Demountable Partition
System".

Amy Puelcher
Agent certificateur/Certifying Officer

January 25, 2002
Date

Canada

(CIPQ 68)
01-12-00



DEMOUNTABLE PARTITION SYSTEM

FIELD OF THE INVENTION

5

The present invention is concerned with movable partitions. More precisely, it is concerned with a partition system composed of mountable and demountable partitions for forming a separate room such as an office.

10 BACKGROUND OF THE INVENTION

The use of partitions for temporarily forming an office space, is known to this day. However, the partitions that are known to this day, are basically composed of a panel mounted on a metallic stand. However, the panels are aligned side by side
15 to form a predetermined office space. Such a space does not allow any privacy and is not sound-proof. Therefore, there is a need to provide a partition system that may be quickly and easily mountable and demountable and allows the creation of an office space equal in quality to a regular office.

20 SUMMARY OF THE INVENTION

It is a first object of the invention to provide an instantly mountable and demountable partition system.

25 It is a second object of the present invention to provide a partition system that may be installed with a minimum of tools.

It is a third object of the invention to provide a partition system that is able to adjust to irregular floor surfaces, thereby maintaining parallel interface of the partitions.

30

It is a fourth object of the invention to provide a partition system that allows the removal of a single partition without affecting the neighbouring partitions.

2

It is a fifth object of the present invention to provide a partition system that is easy and simple to install.

- 5 The objects of the present invention are achieved with an adjustable partition system that is readily mountable and demountable, the partition system comprising a plurality of partitions, each partition comprising a panel mounted on a frame, the frame comprising two vertical members parallel to each other, the vertical members defining the length of the frame and two horizontal members
- 10 defining the width of the frame, each partition comprising a top portion and a bottom portion, the top portion adapted to be secured to a ceiling by a first connector for connecting the horizontal member on the top portion of the partition to a ceiling grip, and the bottom portion adapted to be secured to the floor, by a second connector for securing the horizontal member on the bottom portion of the
- 15 partition to the floor, and an adjustable glide for allowing adjustment of the partition relative to the level of the floor; and a door detachably mounted to a door strike.

An advantage of the partition system of the present invention is that it may be readily installed in a pre-existing room with its pre-existing architectural features.

20

Another advantage provided by the partition system of the present invention, is that it allows the creation of a room having a partition regularly and evenly spaced, thereby maintaining a parallel interface of the panel.

- 25 A further advantage of the partition system of the present invention is that it allows mounting and demounting of individual partition sections independently from the others.

BRIEF DESCRIPTION OF THE DRAWINGS

30

Figure 1 is a perspective view of the partition system according to a preferred embodiment of the present invention.

3

Figure 2 is a perspective view of the top portion of a partition member according to a preferred embodiment of the present invention.

5 Figure 3 is a perspective view of the bottom portion of two partition members according to a preferred embodiment of the invention.

Figure 4 is the top portion of a door comprising a door pivot assembly.

10 Figures 5a, b, c, d, and e, are perspective views of an adjustable glide according to a preferred embodiment of the present invention, connecting the bottom portion of a partition section to the floor.

Figure 6 is a perspective view of a disassembled solid panel.

15

Figure 7 is a door strike assembly according to a preferred embodiment of present invention.

20 Figure 8 is a cross-sectional view of a building module connector according to a preferred embodiment of the present invention.

Figure 9 is a face view of two vertical members of Figure 2, connected to the floor.

25 Figures 10a to 10c are cross-sectional views of two, three, and four-way connections of furniture and building modules according to a preferred embodiment of the present invention.

Figure 11 is a cross-sectional view of a stiffener designed to be installed on an inner face of a solid panel.

30

Figure 11b is a cross-sectional view of a building module.

4

Figure 12 is a cross-sectional view of a connector for connecting two partitions.

Figures 13a and 13b are cross-sectional views of different connectors used for connecting two partition members.

5

Figure 14 is a cross-sectional view of a stiffener designed to be mounted on an inner face of the top portion of a solid panel.

Figure 15a is a vertical stiffener of Figure 14 including a spring clip.

10

Figure 15b is a perspective view of a spring clip.

Figure 16 is a perspective view of a stiffener designed to be mounted on an inner face in the middle section of a solid panel.

15

Figure 17 is a cross-sectional view of a vertical post for a solid panel.

Figure 18 is a cross-sectional view of a vertical member for a glass panel.

20

Figure 19 is a cross-sectional view of a recessed ceiling rail.

Figure 20 is a cross-sectional view of the top distant channel of a solid panel.

25

Figure 21 is a perspective view of a door strike according to a preferred embodiment of the present invention.

Figure 22 is a side view of a door bumper according to a preferred embodiment of the present invention.

30

Figures 23a to 23c are different views of a floor channel according to a preferred embodiment of the present invention.

5

Figure 24 is a perspective view of the adjustable glide according to a preferred embodiment of the present invention.

5 Figure 25 is a cross-sectional view of a bottom distance channel for a glass panel according to a preferred embodiment of the present invention.

Figure 26 is a side cross-sectional view of a base cover according to a preferred embodiment of the present invention.

10 Figure 27 is a perspective view of a pivot plate according to a preferred embodiment of the present invention.

Figure 28 is an exploded view of a panel member according to a preferred embodiment of the present invention.

15

Figure 29 is an exploded view of a partition member according another embodiment of the present invention.

20 Figure 30 is an exploded view of a door according to a preferred embodiment of the present invention used in the partition system of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

25 As seen in Figure 1, the partition system according to the present invention comprises a plurality of partition members. Each partition member comprises a panel which may be made of any suitable material that may be used as a wall structure or a material selected from the group consisting of steel, wood, gypsum, plastic, fiber-glass or any variety of finishes selected from the group consisting of fabric, vinyl, veneer, paint, laminate. The panel is mounted on a frame, which
30 comprises at least two vertical members and two horizontal members. The horizontal member defining the top of the partition, is adapted to be connected to the ceiling through a ceiling connector. The vertical member in the bottom

6

portion of the partition is adapted to be secured to the floor through an adjustable connector.

5 Referring to Figures 2, 28 and 29, there is shown a ceiling rail according to a preferred embodiment of the present invention. The ceiling rail is designed to receive the top portion of the partition member. The partition member is fixed to the ceiling rail through a ceiling connector, which may be a T-slot connector or a caddy clip. It should be understood that any other type of connector may be used in the context of the present invention, and that is known to a person skilled in the art is included in the scope of the present invention.

10 As may be seen in figures 3 and 5a to 5e, the lower portion of each partition member is adapted to be secured to the floor through an adjustable connector. More precisely, the adjustable connector comprises an adjustable glide. As best seen in figure 9, the glide assembly comprises a threaded bolt and a nut, which are connected to a bracket on the floor channel. The adjustable glide assembly is attached to the lower end of a vertical member of a partition member. The adjustable glide is further adapted to be connected to a floor channel. In the illustrated embodiment, the adjustable glide is connected to the floor member through bracket means. Thus, the adjustable glide serves as an adjustable connector between a partition member and the floor. The purpose of providing such an adjustable connector is to allow each of the partition members to be properly aligned relative to each other. This maintains a parallel interface of the panel. It should be noted that the partition system of the present invention uses the ceiling as a level point.

20 As seen in figures 1 and 30, the partition system according to the present invention also comprises a door, which may pivot between an open and closed position. The door is secured to the panel assembly through a pair of pivoting rods that are secured on the top and bottom of the same side of the door. As best seen in figure 4, the top portion of the door comprises a pivoting rod, which may be inserted in an opening on the door strike assembly as best seen in figure 7. As

seen in figure 27, a pivot plate is secured at the bottom of the door and comprises an opening for receiving the pivoting rod therein.

5 Referring now to Figures 12, 13a and 13b, the partition system according to the present invention, is also provided with different connectors for connecting at least two partition members together. As seen in Figure 12, the corner connector is designed to connect two partition members perpendicularly or in different angles. It is used to form a corner. As best seen in Figure 10c, the corner connector is designed to retain a portion of the vertical member of each partition member.

10 Referring now to Figure 13a, there can be seen a recessed connector. This connector comprises two wings extending upwardly. These wings are made of soft PVC and are flexible. The core of this connector, which consists of a gripping device, is made of hard PVC. This connector is especially useful to be used in combination with a solid panel such as seen in Figure 6, since the wings are designed to cover the series of openings which are present along the entire length of the vertical post. When needed, it is possible to install a hook or a bracket in the openings by pushing in the flexible wing of the recessed connector.

20 Referring now to Figure 13b, a flush connector may also be used to connect the partition members. As opposed to the recessed connector, the flush connector does not comprise a pair of wings, and is designed to create a uniform surface when it is installed on the vertical members of the adjacent partition members.

25 Referring now to Figures 11a, 14, 16 and 29, there are shown different stiffeners that are used in solid panel partition systems. The function of such stiffeners is to support the panel which may be flexible if it is made of a steel sheet, and also to provide means for mounting and demounting the panel to the structural frame. Spring clips, such as shown in Figures 15a and 15b, are used so as to allow the panel to be mounted to a structural frame in a snap-fit fashion.

30

8

The floor channel is designed to support the entire weight of each partition member. It is designed to distribute the weight of the partition members evenly. The floor channel of the present invention has been designed so as to resist earthquakes and to maintain its rigidity for each partition member.

5

As previously mentioned, the partition system according to the present invention has been designed to provide partitions that are easily and quickly mountable and demountable for creating a new room. Furthermore, the system allows the attachment and detachment of a single partition member, without disturbing the neighbouring partition members. Therefore, there is no need to disturb the neighbouring partition members if one partition member needs to be replaced or removed.

15 Although the present invention has been explained hereinabove by way of a preferred embodiment thereof, it should be pointed out that any modifications to this preferred embodiment within the scope of the present invention is not deemed to alter or change the nature and scope of the present invention.

GENIUS™

Movable/Demountable Office Partition System

- Variable sized, prefabricated panels available in both furniture and building module. Ceiling height (either flush or recessed base and ceiling conditions), clear-story and free standing options are available.
- Wall thickness is 3 ½ inches thus allowing for superior sound rating, as well as passthrough components, i.e. electrical wires, communication and network cables, air conditioning, fiber optic cables, etc.
- Panel shells are removable by means of specially designed connecting strips. These connecting strips and the shells are designed in such a way as to achieve on site demountability. Moreover, it allows for field installation of electrical, communication and fiber optic wires.
- The adjustability at the ceiling is +/- 1 inch
- Panels are stackable. The unique splice connector allows panels to be stacked on top of each other, thereby allowing these stacked panels to exceed 120" in height.
- The panel-to-panel connector gives both the ability to adjust for "panel creep" and, using the flush version, allows this system to be used in "clean room" and fire-rated corridor environments.
- The vertical and horizontal shapes are designed so that it can accommodate both single or double glazing, and a variety of blinds and privacy screens.
- The unique design of the lower glide system allows for an adjustability of over 3 inches
- The panels may be attached to drywall by means of a telescoping wall connector.
- The specially designed glazing posts allow for electrical and communication wiring to be housed inside these posts.
- Panels shells may be manufactured from a variety of materials, i.e. steel, wood, gypsum, plastic, fiberglass, etc, in a variety of finishes (Fabric, vinyl, veneer, paint, laminates)

- The wall has the capacity to allow for pocket doors, pivot doors and hinged doors.
- Ability to accommodate 3" thick flat screen TV's within solid panels.
- Minimal number of "loose" components on the job site allows for an easy and clean installation.
- It allows for hanging componentry, i.e. worksurfaces, overheads, light accessories.
- Radius corners and radius panels are an option with this system.

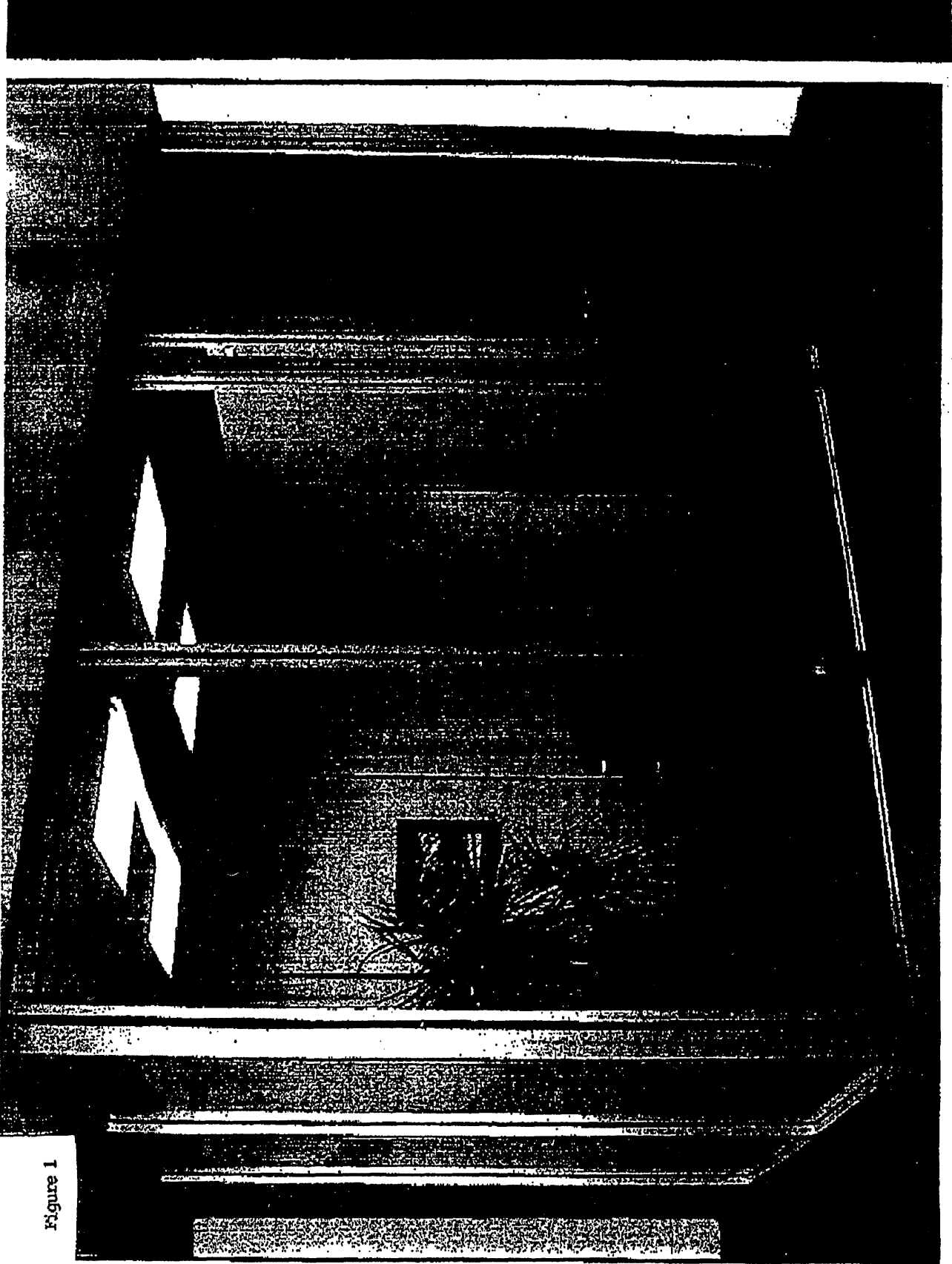


Figure 1

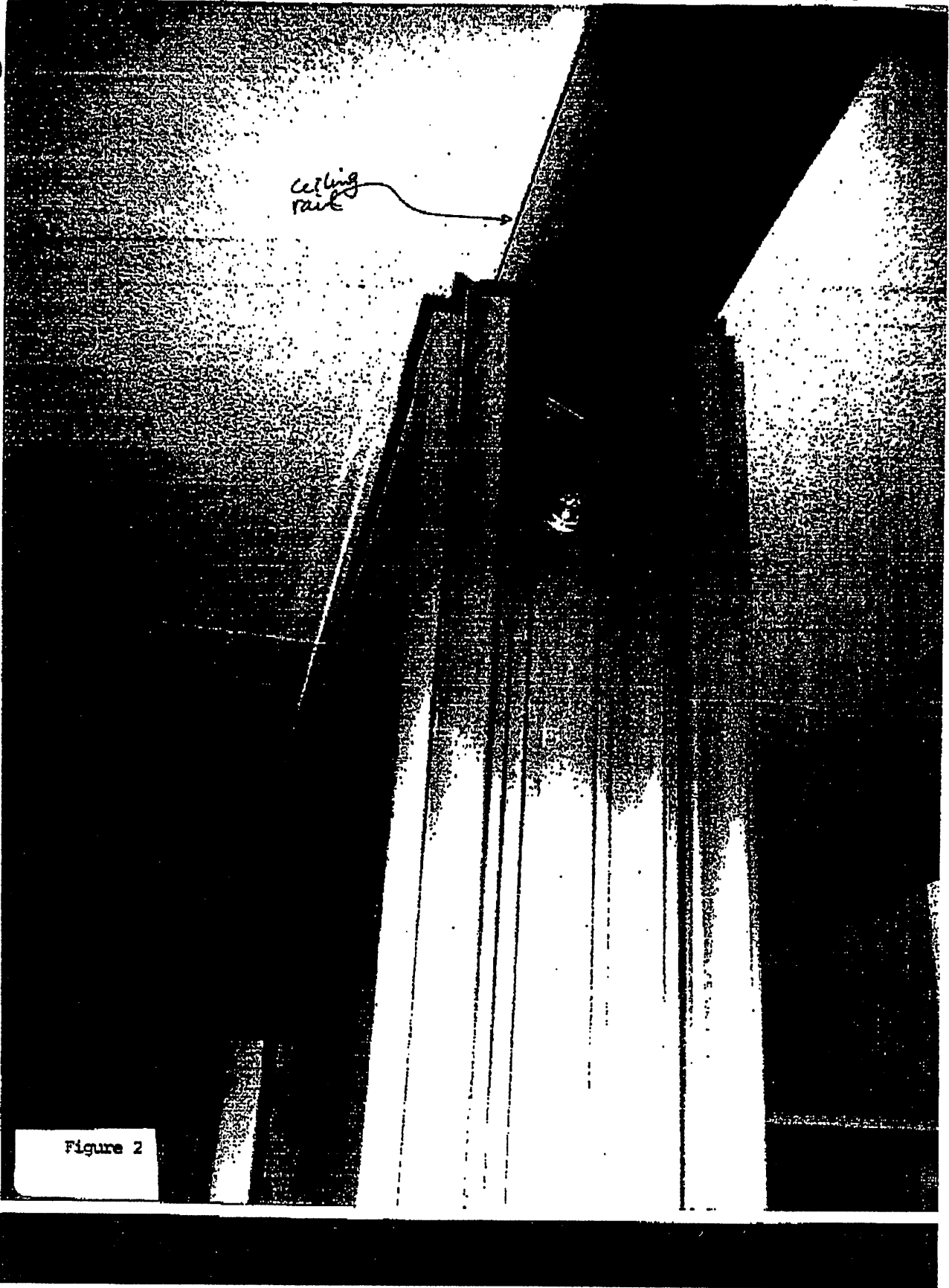


Figure 2

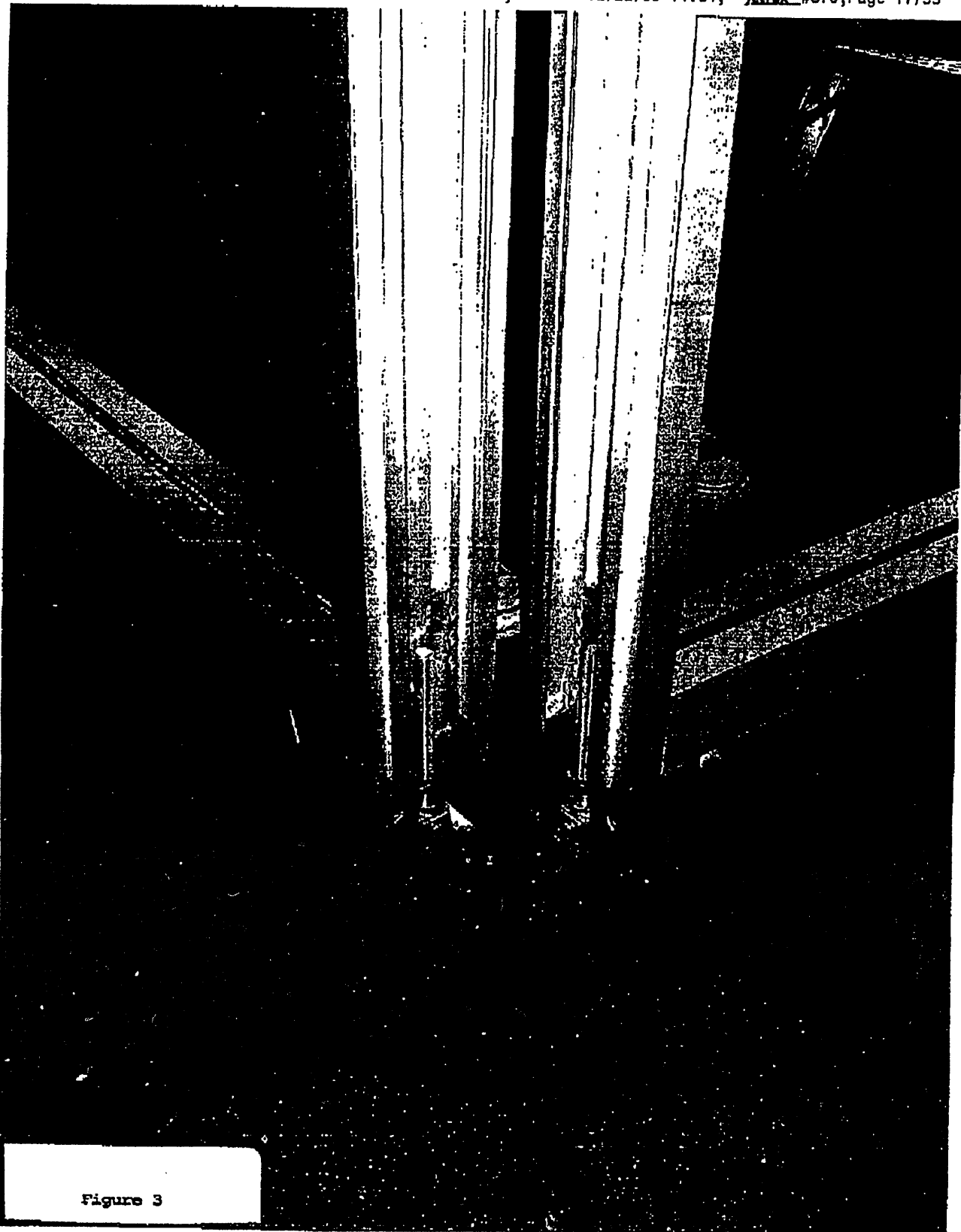


Figure 3

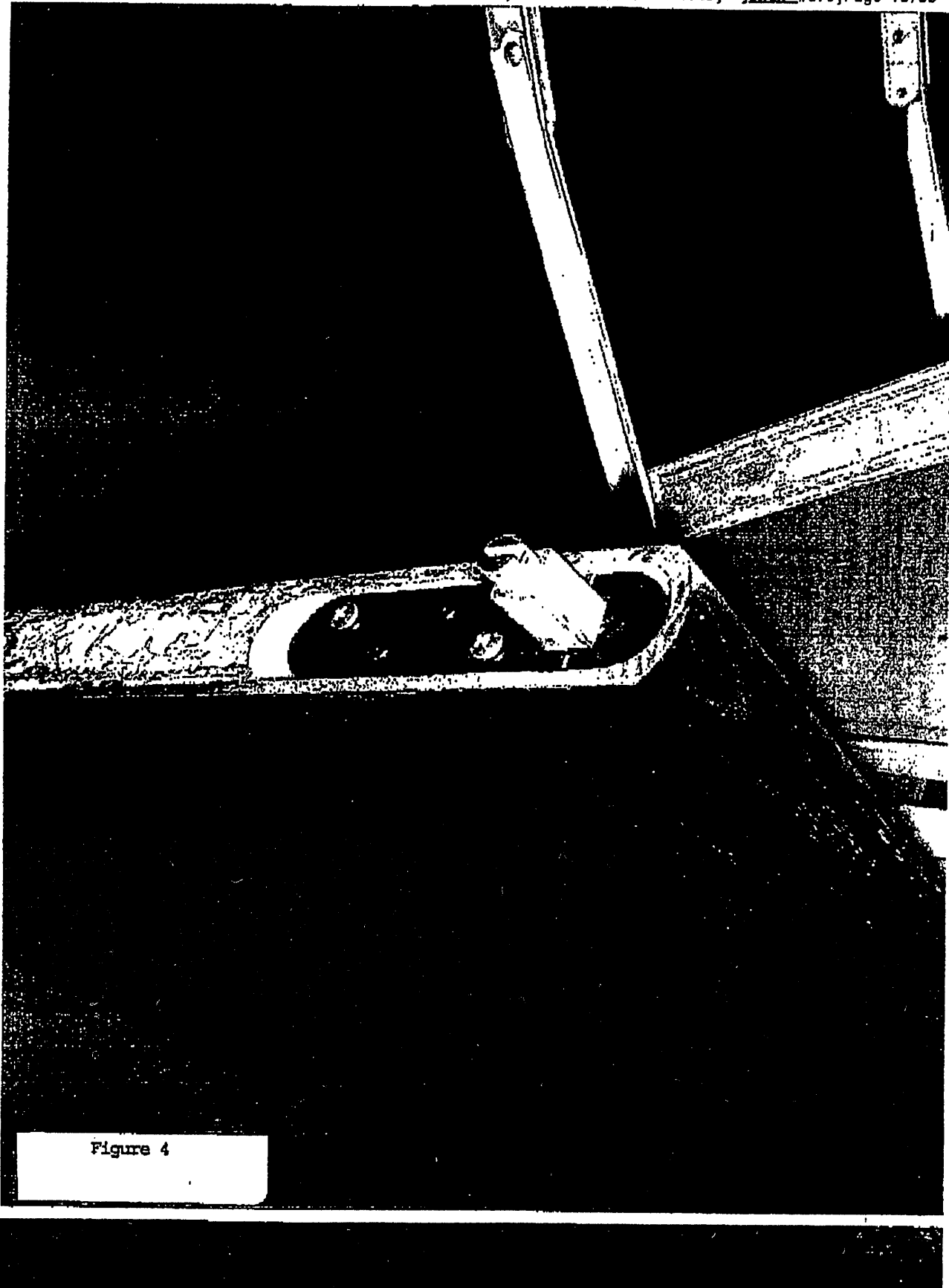


Figure 4

Expedit: ROBIC/BREVETS 4eme

CA 02329591 2000-12-22
514 845 8705; 12/22/00 14:36; JafFax #370; Page 19/55

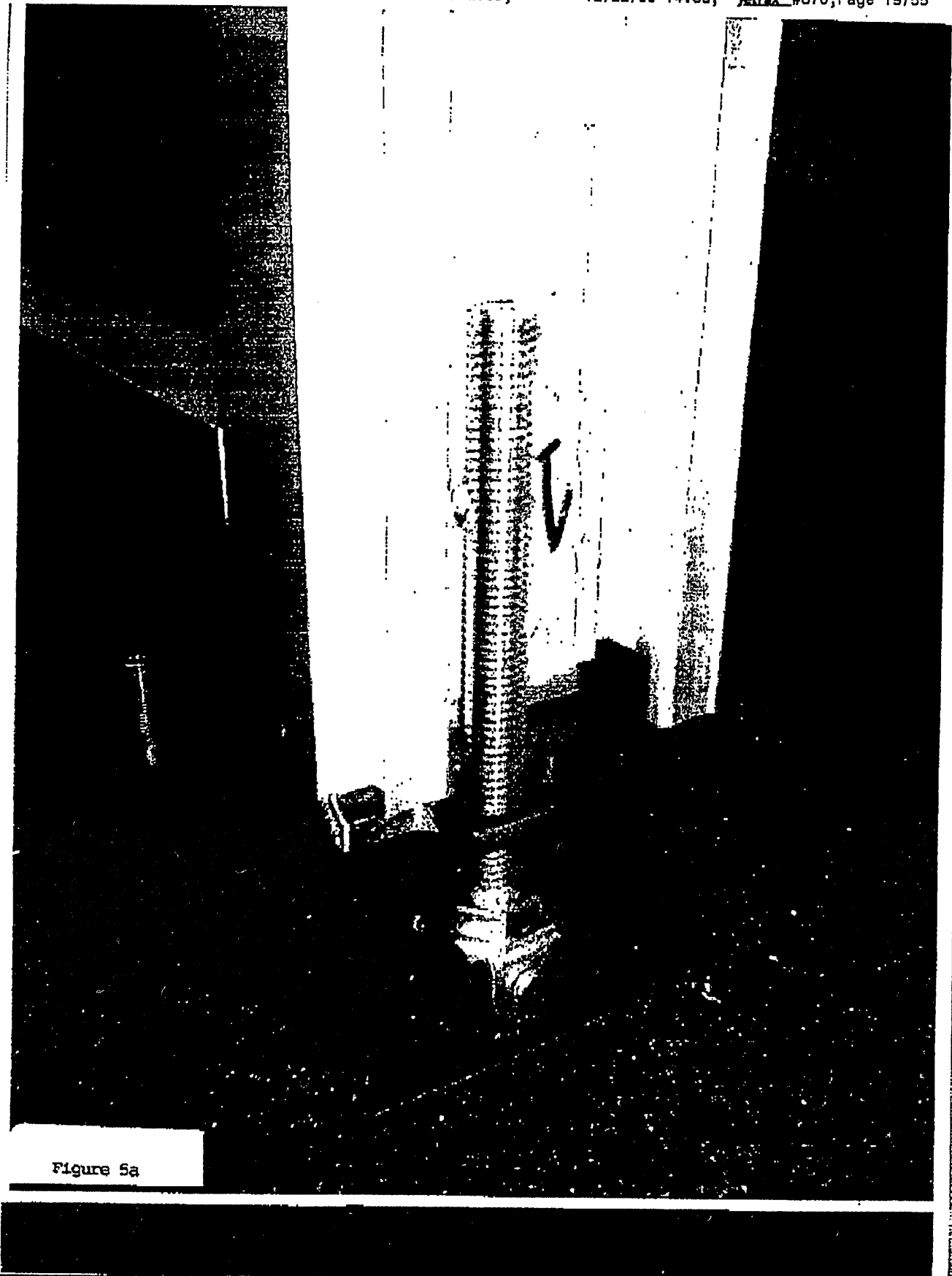


Figure 5a



Figure 5b

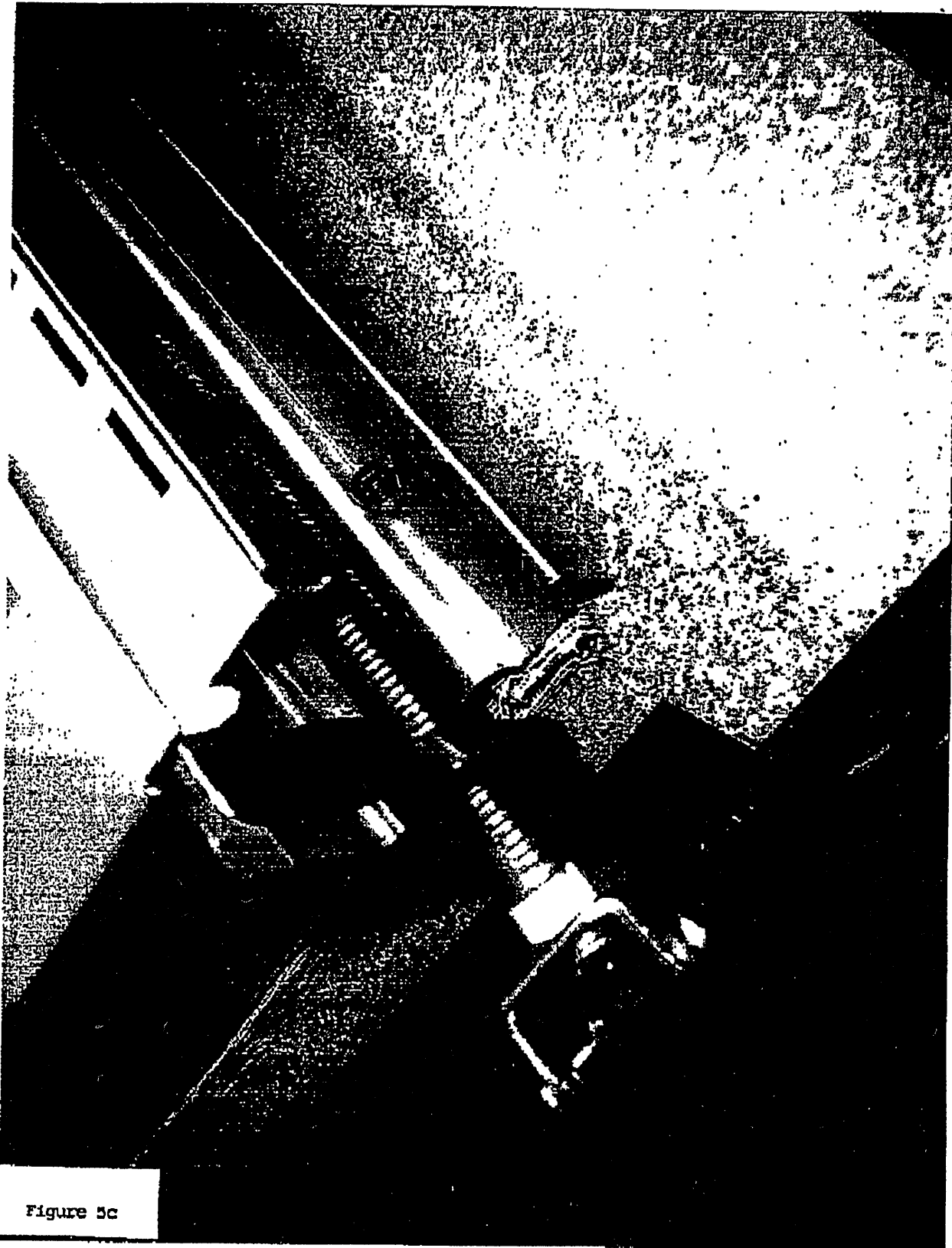


Figure 5c

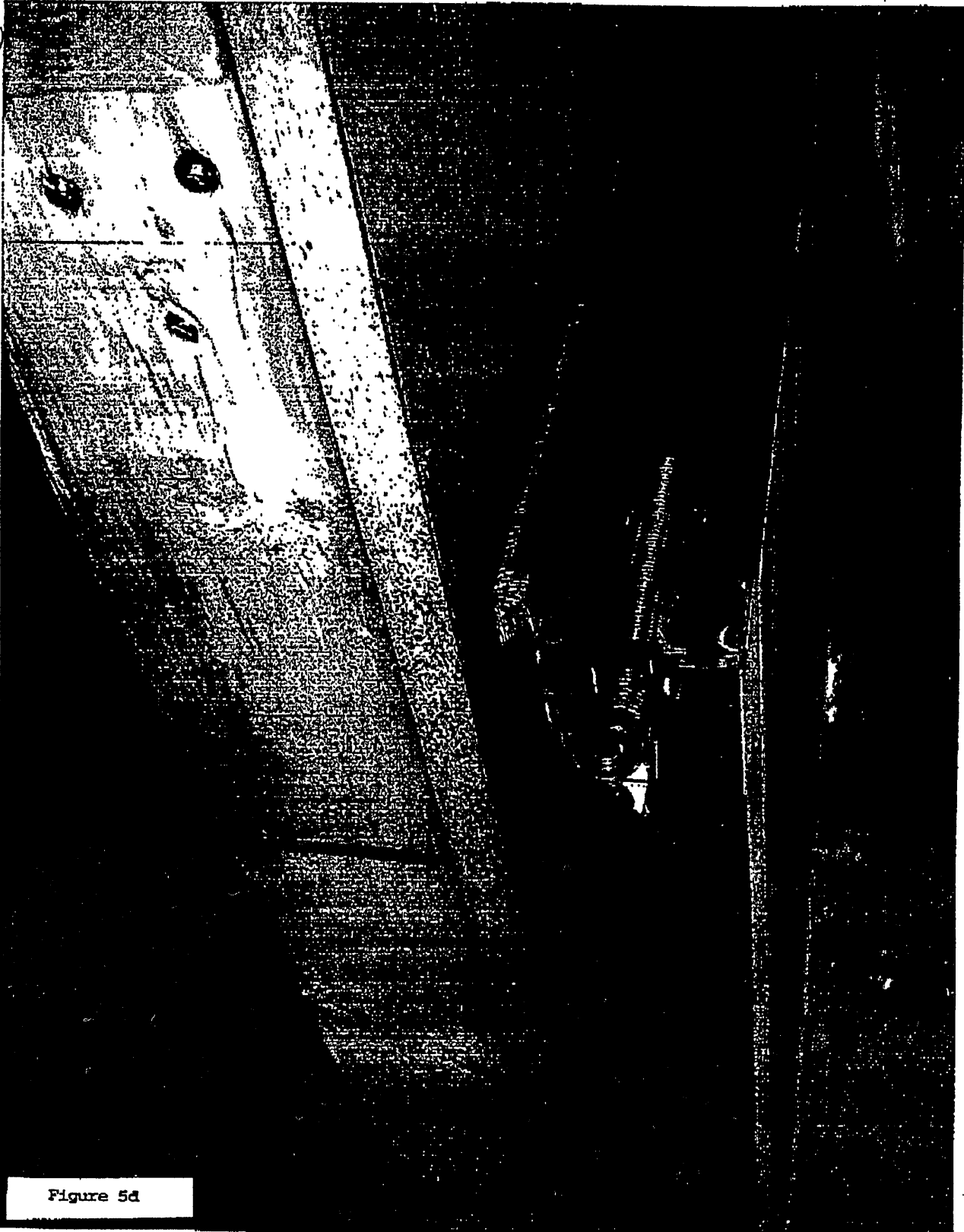


Figure 5d

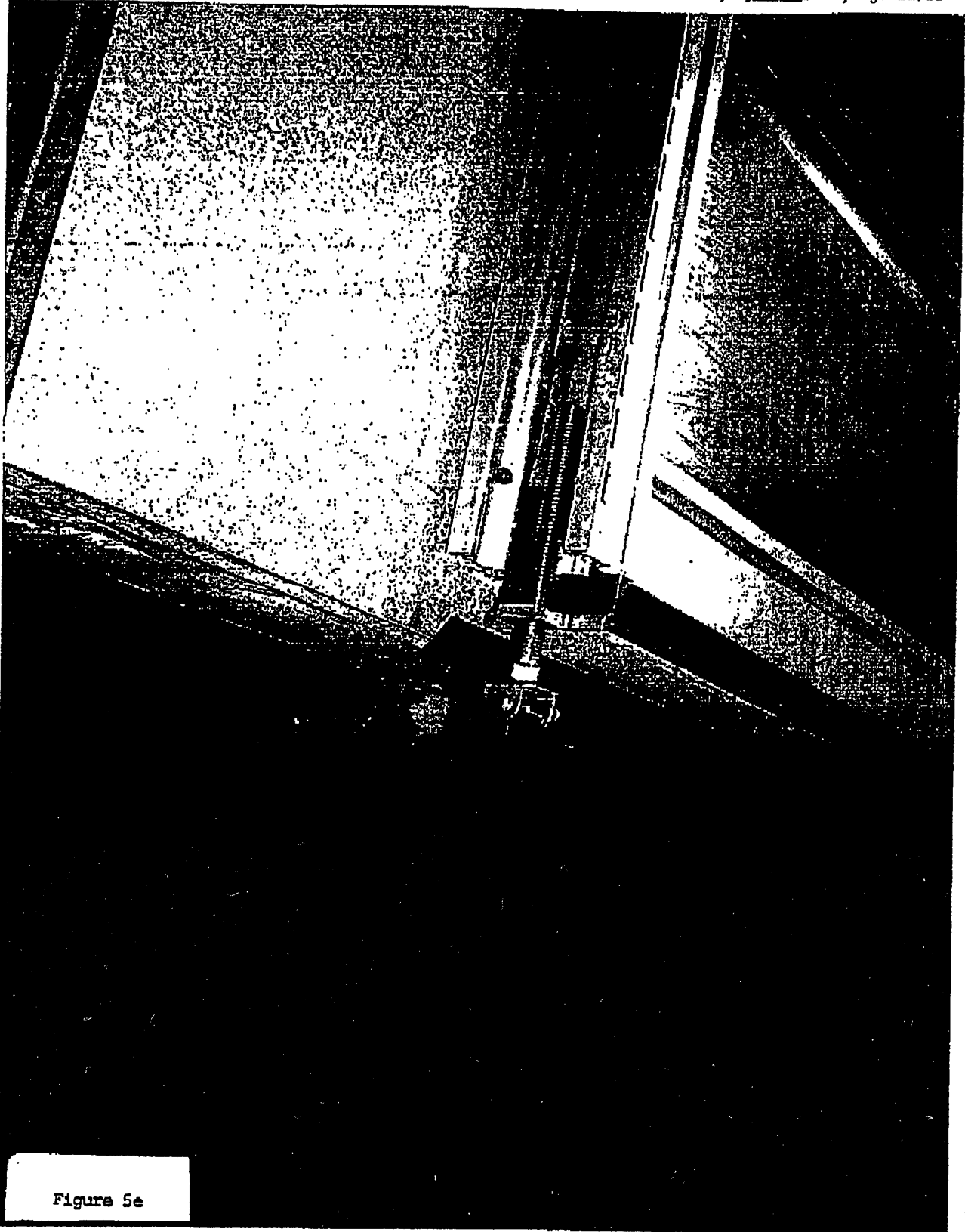


Figure 5e

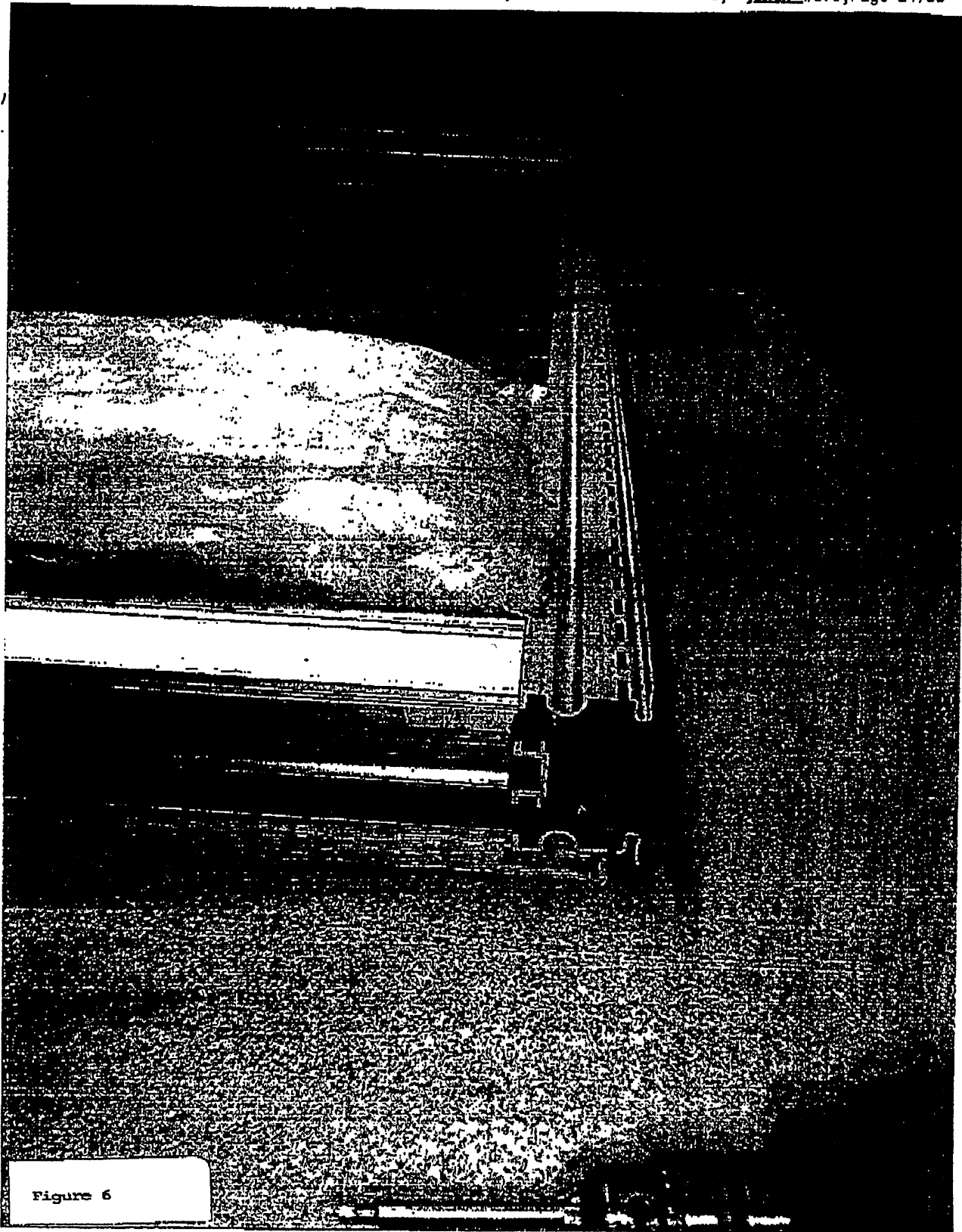


Figure 6

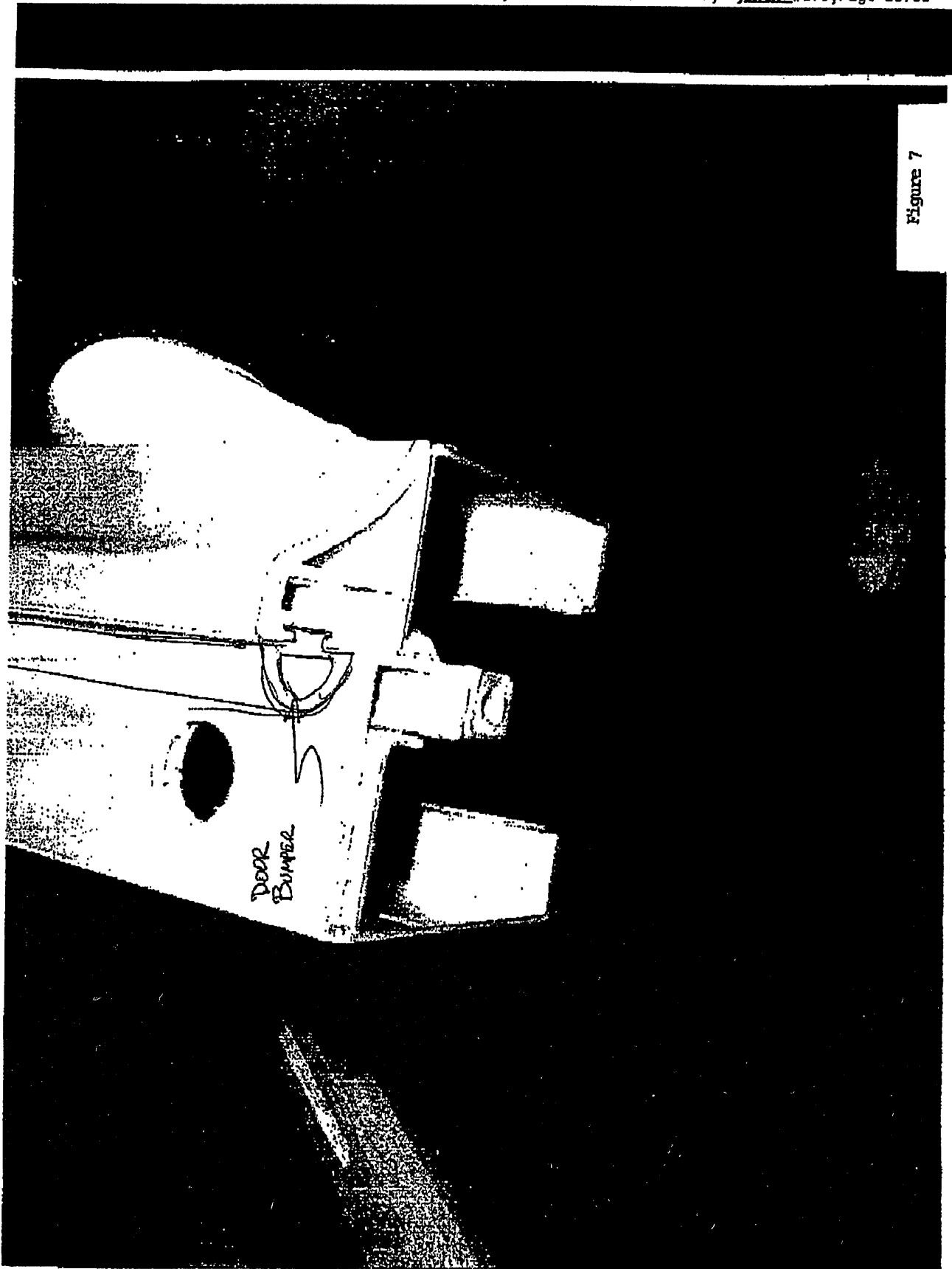


Figure 7

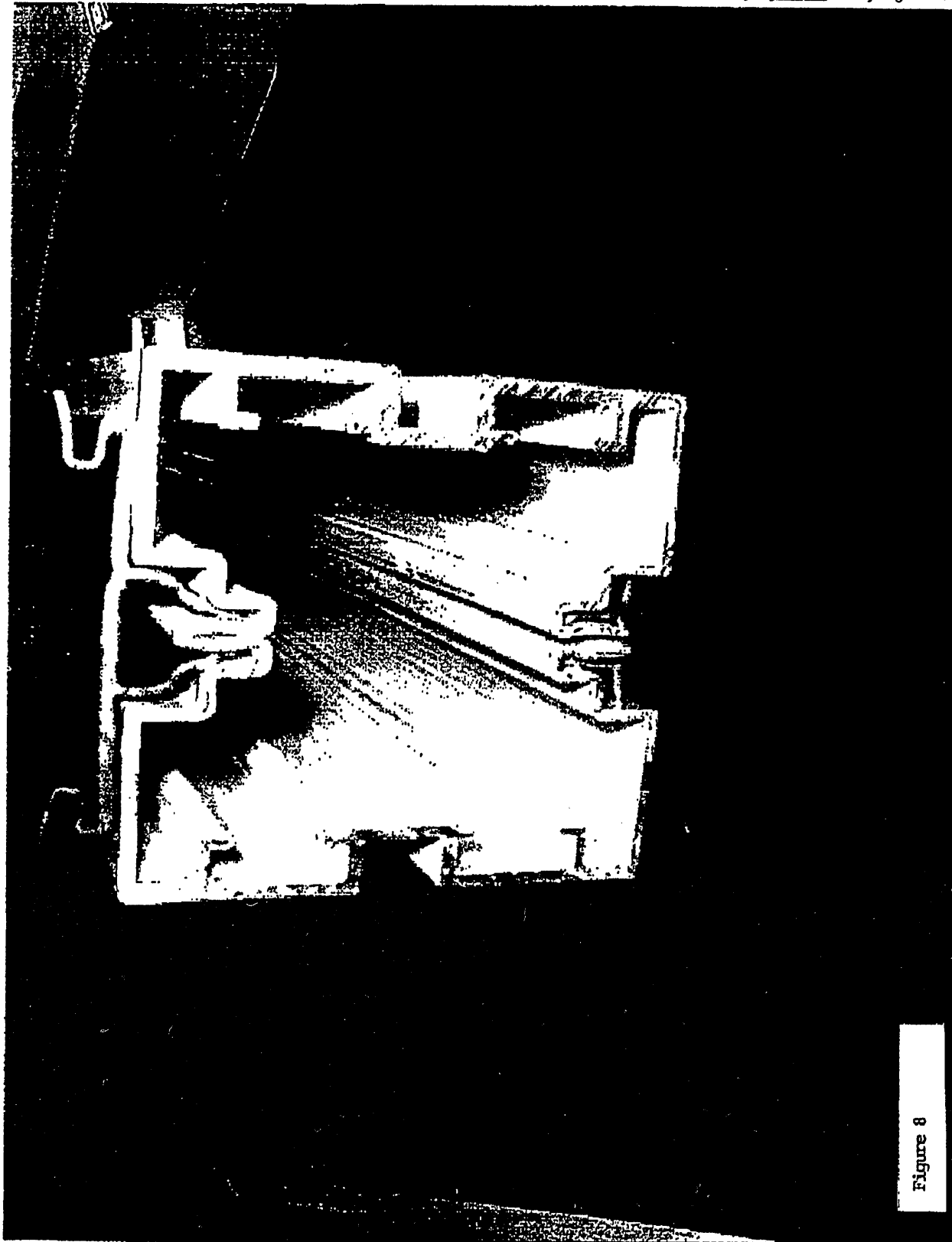


Figure 8

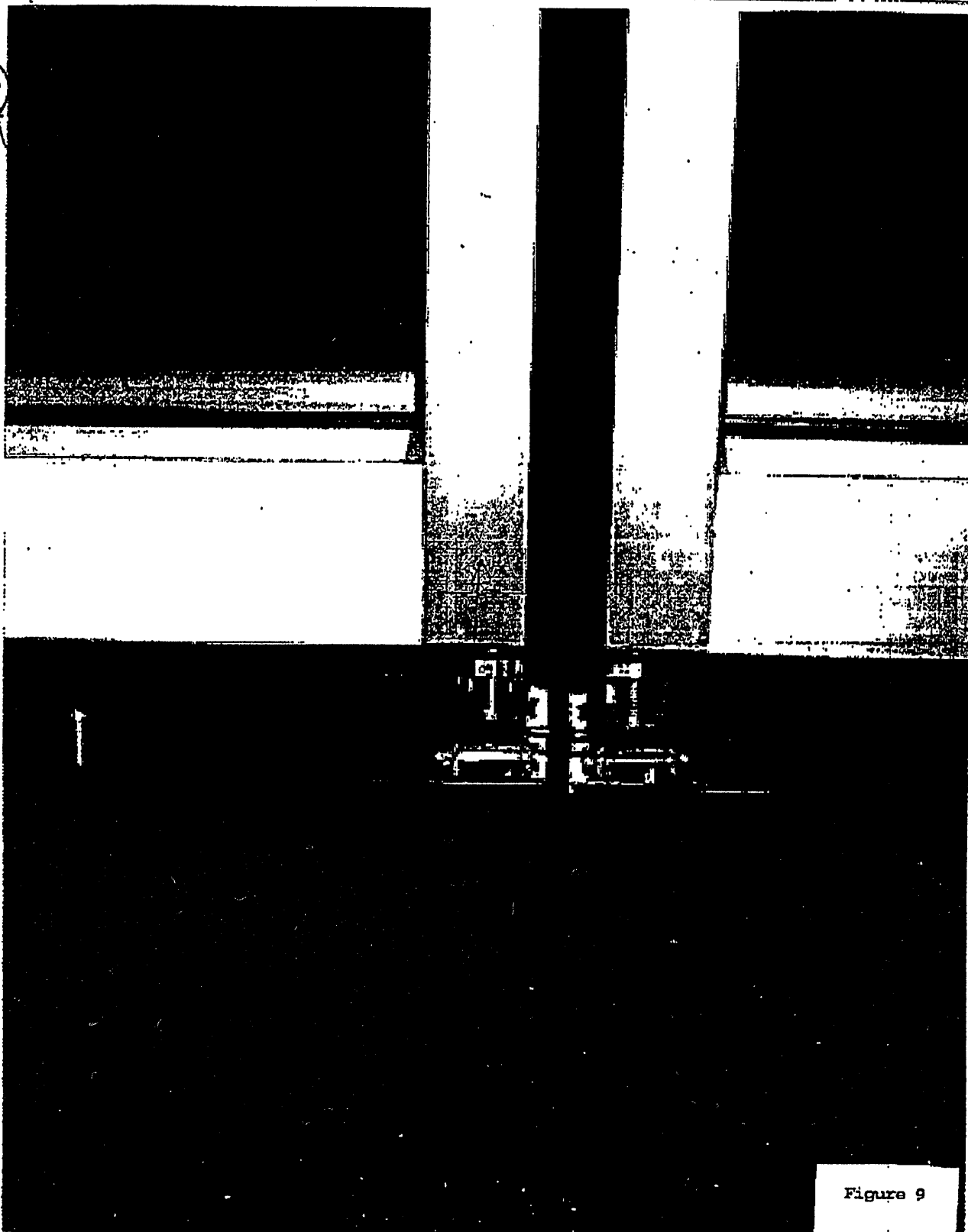
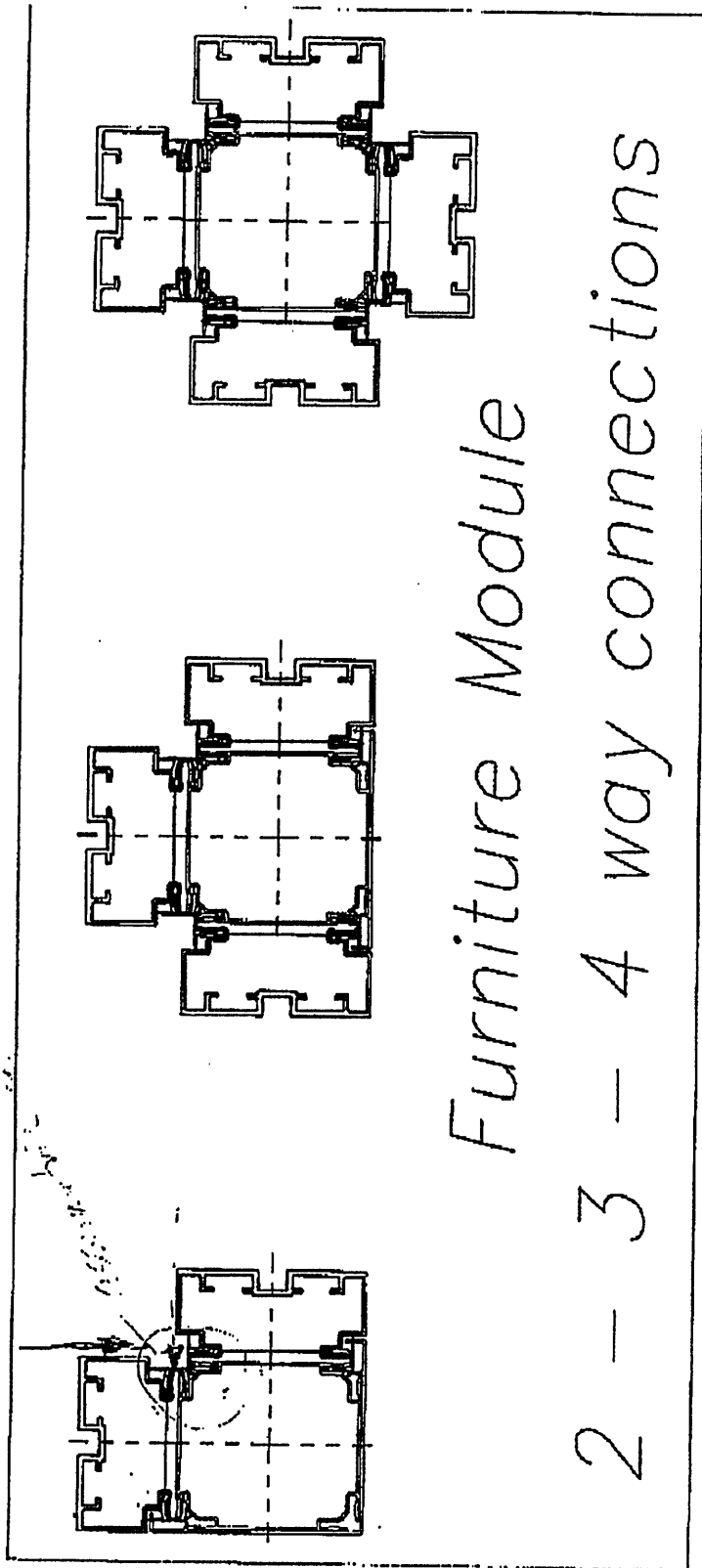


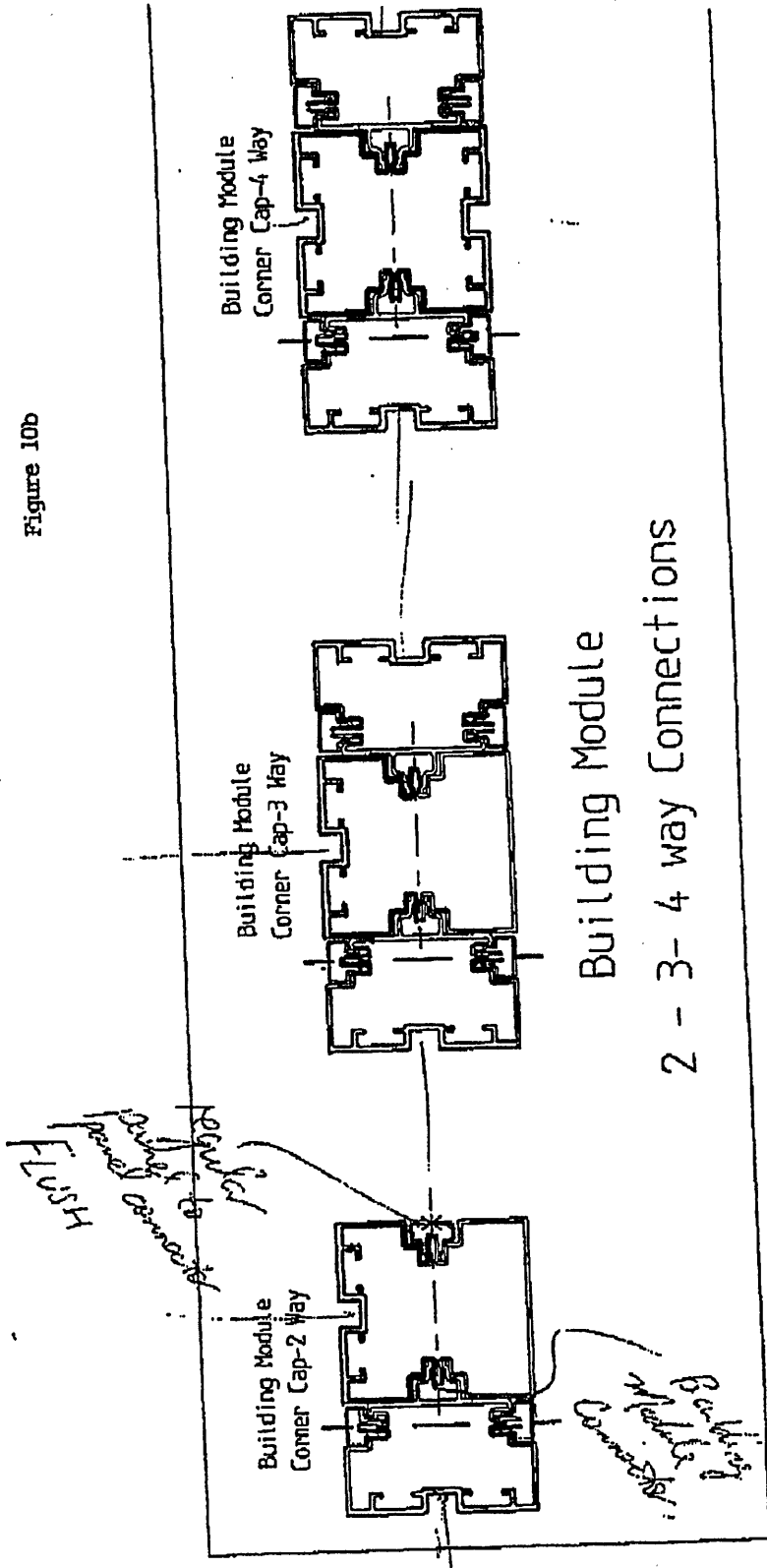
Figure 9

Figure 10a



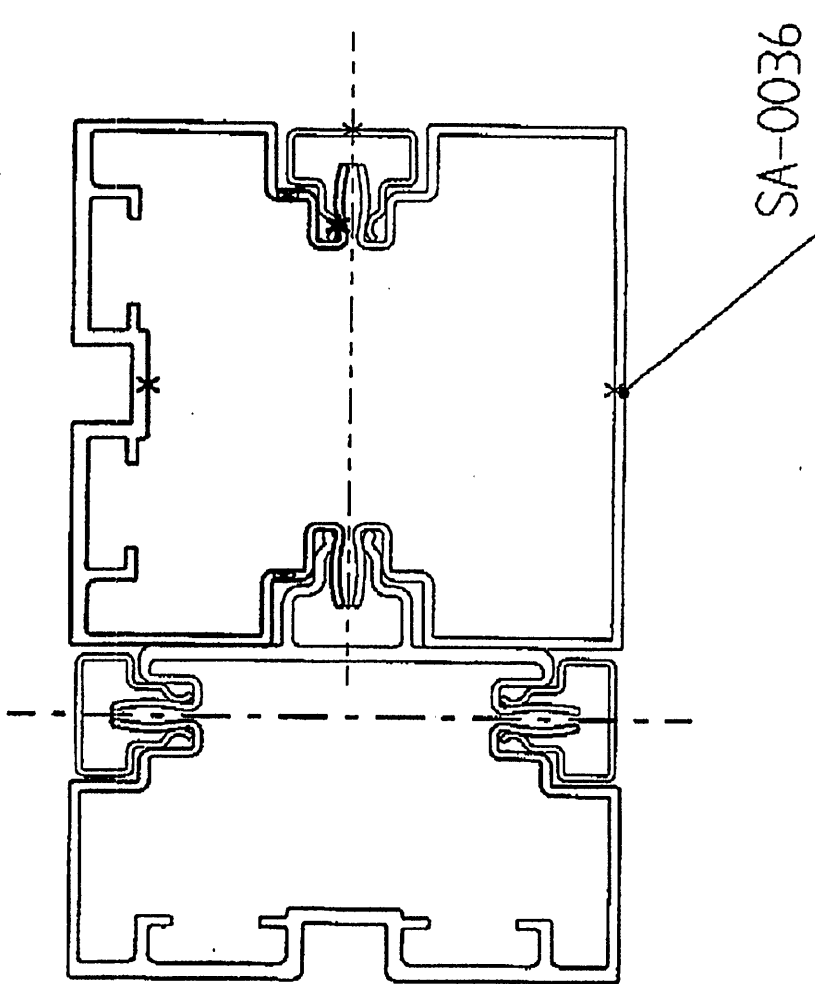
Furniture Module
2 - 3 - 4 way connections

Figure 10b



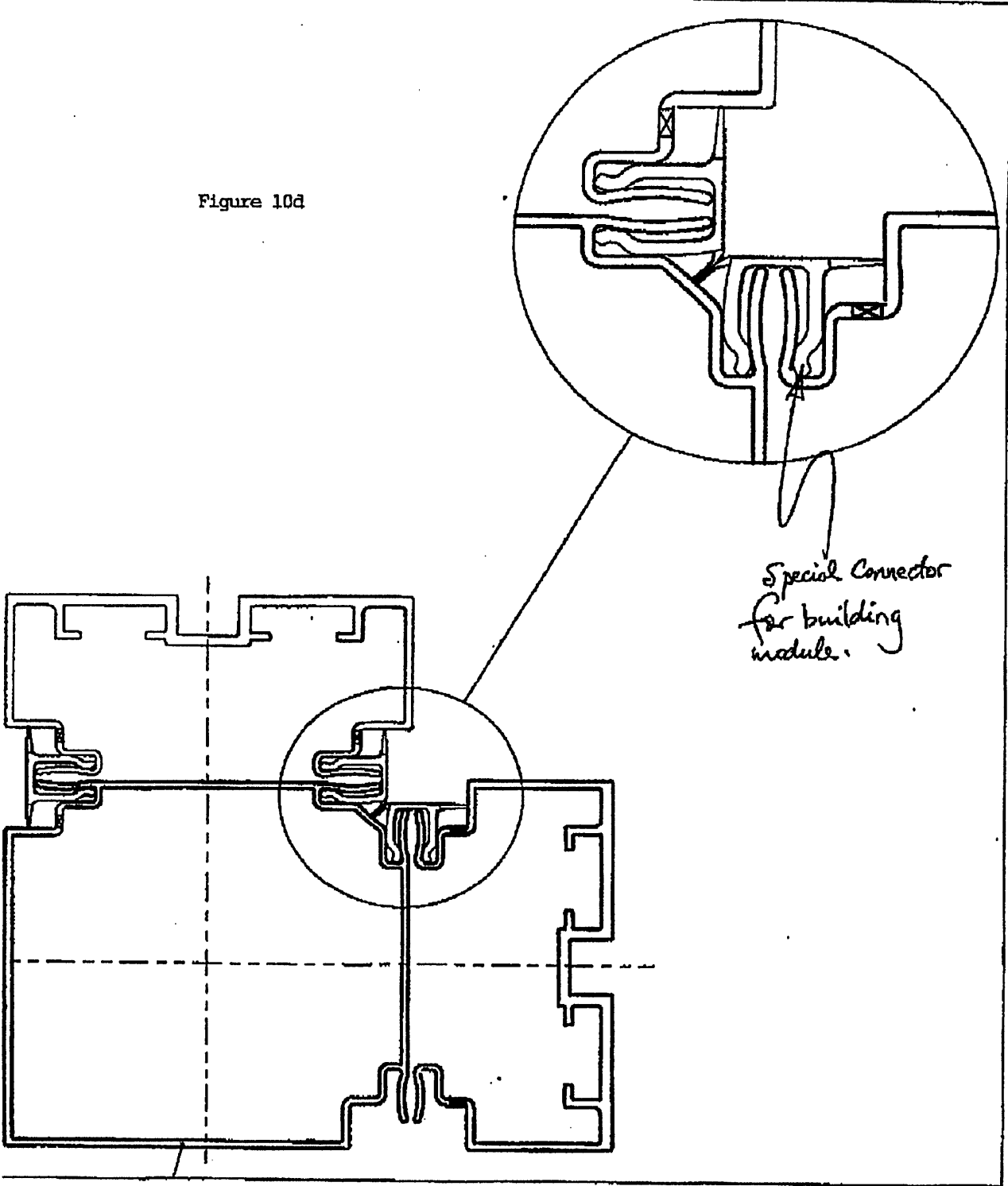
Building Module
Corner Cap-2 Way

Figure 10c



73

Figure 10d



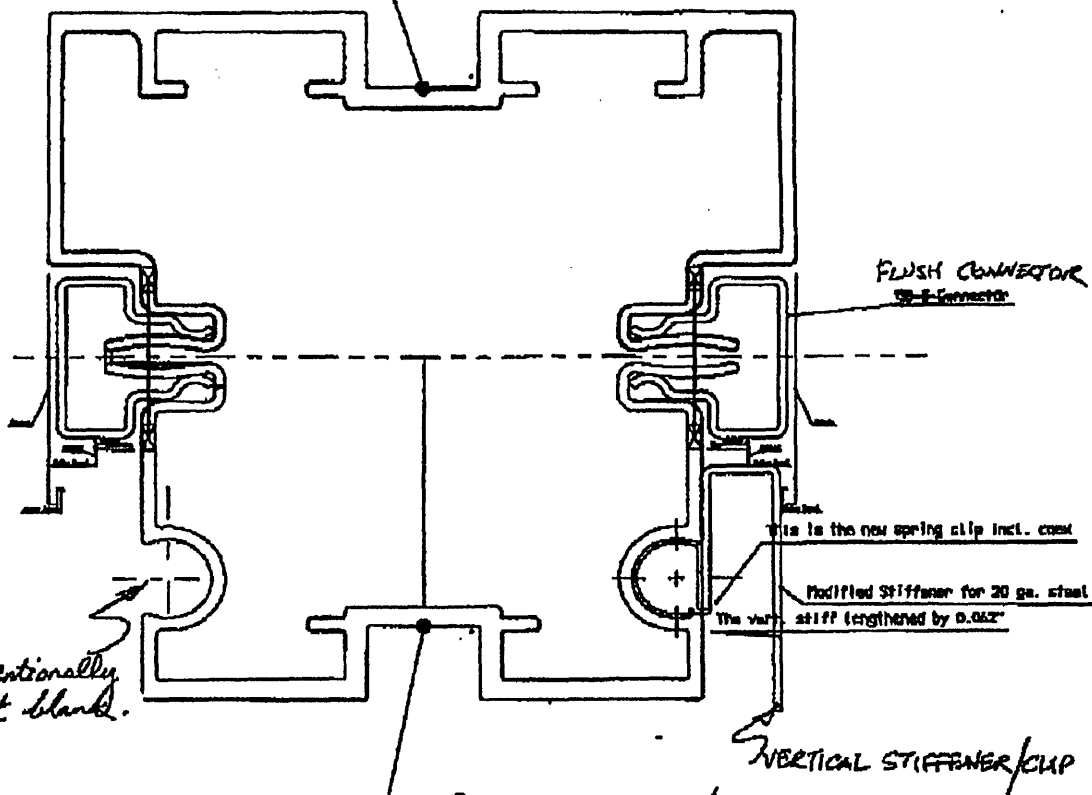
4504555126 → LEON ROVIC RICHARD 3e: Page 3
 F-362 T-810 P-003 DEC 21 '00 16:36

Reception: 12/21/00 16:41

1/3

Glass Post

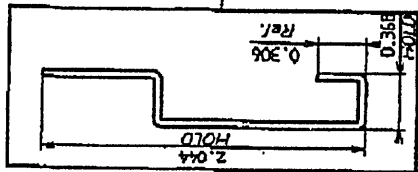
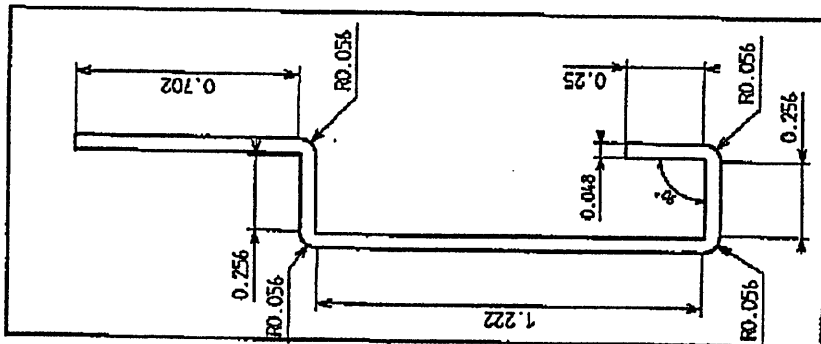
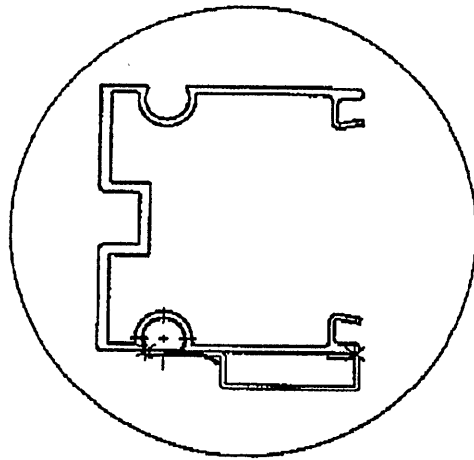
Figure 10e



Solid Panel

FULL ASSEMBLY VIEW OF HOW TWO PANELS CONNECT

Figure 11a



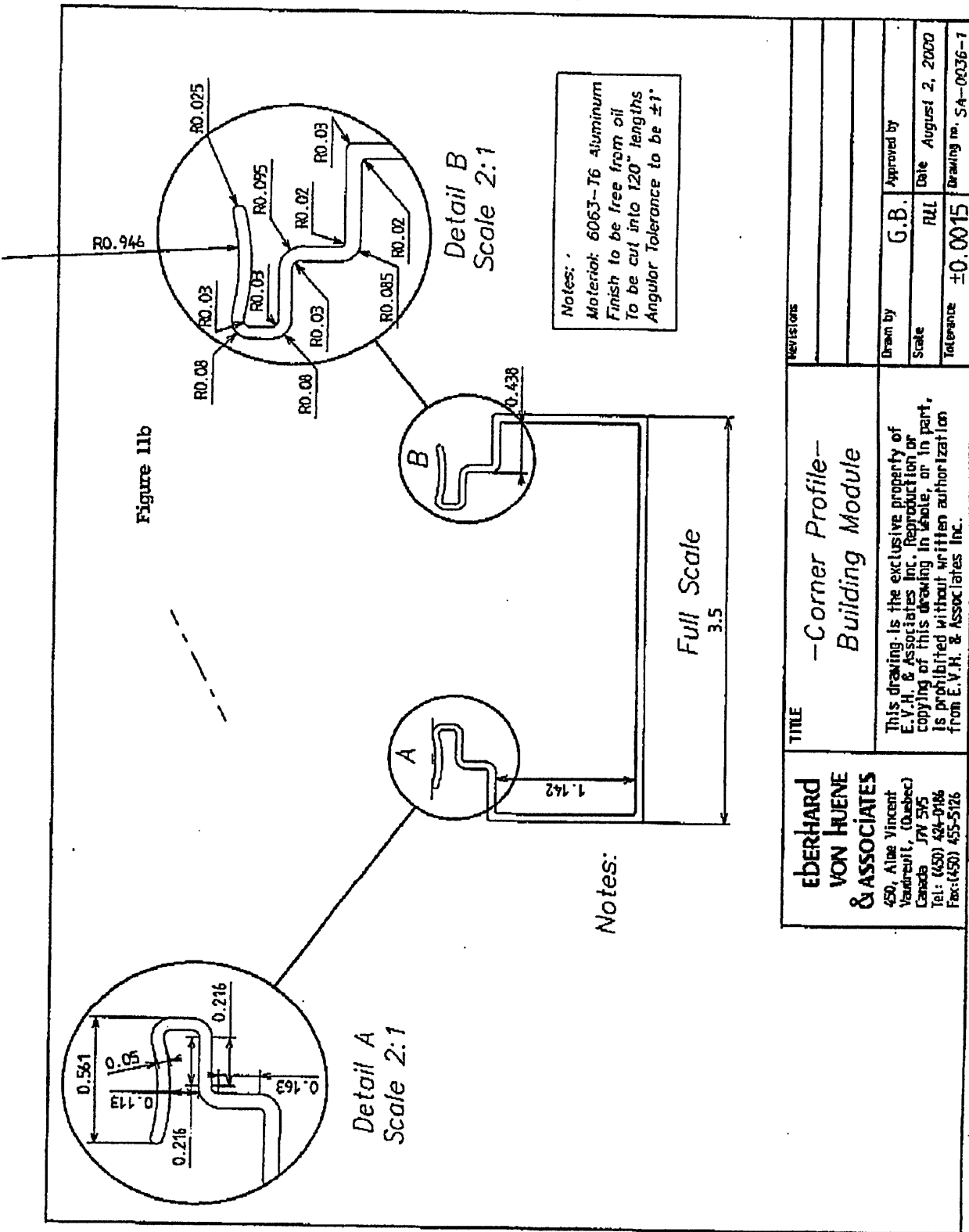
Notes:
 Material 18 ga. C.R.S
 Finish to be free from oil
 Angular tolerance to be ±1°
 Qty: 12
 Length to be 9 feet

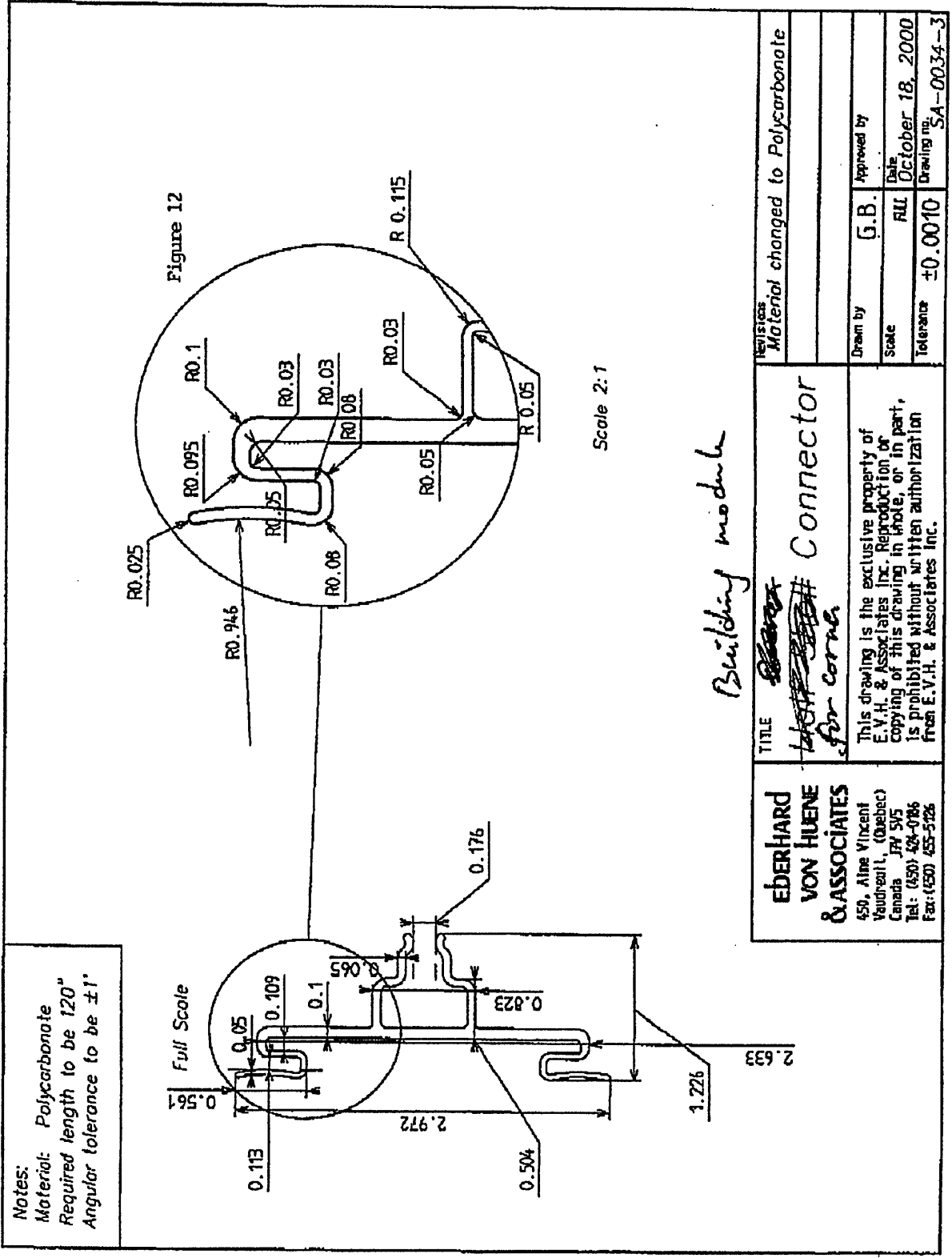
REVISIONS	
Drawn by	G.B.
Scale	Full
Approved by	
Date	November 22, 2000
Tolerance	±0.0015
Drawing no.	SA-0039

EBERHARD VON HUENE & ASSOCIATES
 450, Aline Vincent
 Veadeuil, (Quebec)
 Canada J7V 3V5
 Tel: (450) 624-0186
 Fax: (450) 625-5126

Bottom Stiffener

This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.





Notes:

Material: Polycarbonate
Required length to be 120"
Angular tolerance to be ±1'

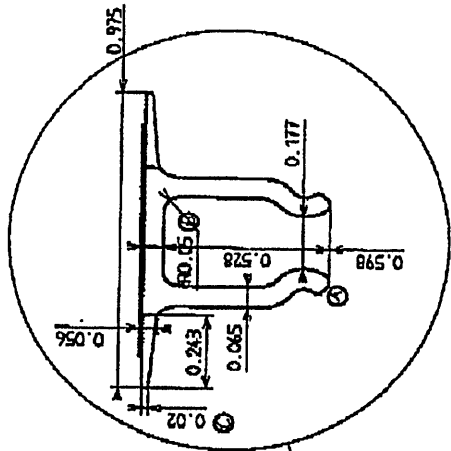
Full Scale

Scale 2:1

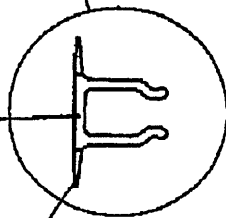
Building module

EBERHARD VON HUENE & ASSOCIATES 450, Aline Vincent Vaudreuil, (Quebec) Canada J7V 5V5 Tel: (450) 424-086 Fax: (450) 455-326		TITLE Building module Connector <i>for corner</i>		Revision Material changed to Polycarbonate
Drawn by	G.B.	Approved by		
Scale	ALL	Date	October 18, 2000	
Tolerance	±0.0010	Drawing no.	SA-0034-3	

Figure 13a



Scale 2:1

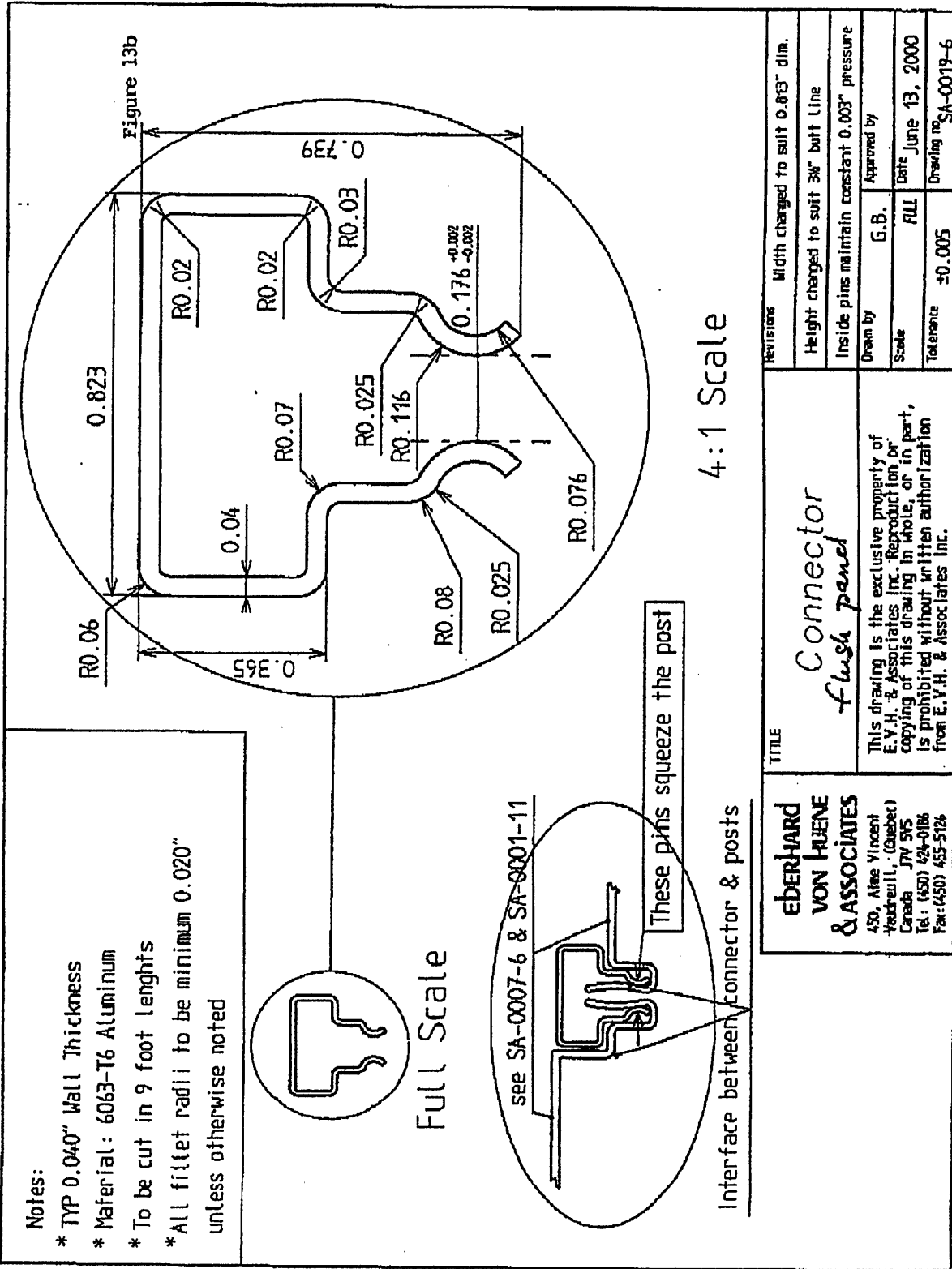


Full Scale

Material:

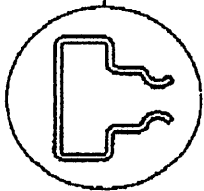
- * Soft and Hard PVC COEX
- * To have a smooth surface finish
- * Color to be Black
- * Initial quantity for prototype purpose only, therefore minimum run order.
- * Length to be 120" cut

<p>EBERHARD VON HUENE & ASSOCIATES 346, Aline Vincent Vaubertail, (Quebec) Canada J7Y 5V5 Tel: (514) 428-0186 Fax: (514) 455-5126</p>		<p>TITLE RECESSED CONNECTOR</p>		<p>REVISION Radius of end of connector Reduced Radius inside profile End soft piece reduced to 0.020" from 0.035"</p>	
<p>This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole or in part, is prohibited without written authorization from E.V.H. & Associates Inc.</p>		<p>Drawn by G.B.</p>	<p>Approved by</p>	<p>Scale FULL</p>	<p>Date July 26, 2000</p>
		<p>Tolerance ± 0.010</p>	<p>Drawing no. SH-0029-3</p>		

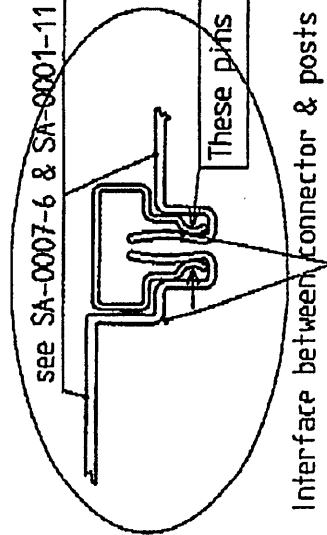


Notes:

- * TYP 0.040" Wall Thickness
- * Material: 6063-T6 Aluminum
- * To be cut in 9 foot lengths
- * All fillet radii to be minimum 0.020" unless otherwise noted



Full Scale

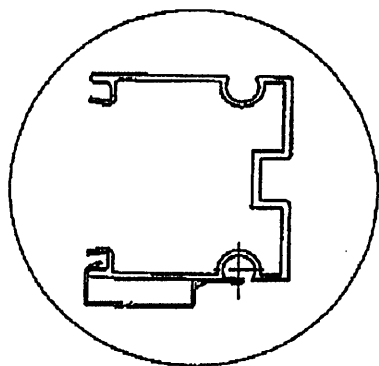


Interface between connector & posts

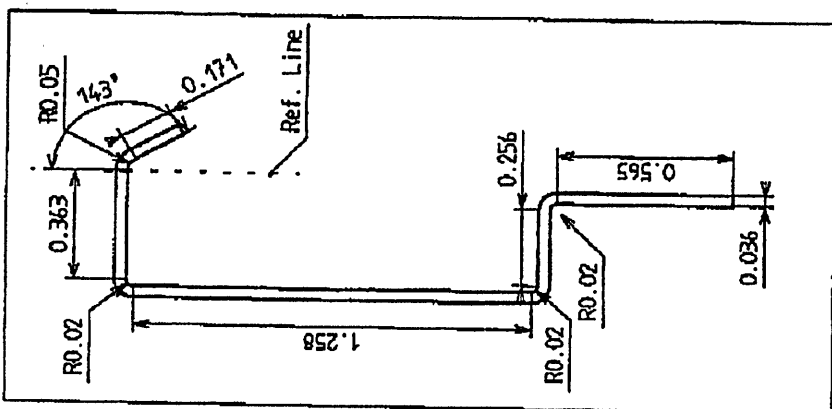
4:1 Scale

TITLE	Connector <i>flush panel</i>
This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.	
EBERHARD VON HUENE & ASSOCIATES	450, Allee Vincent Verdun, (Quebec) Canada J7V 5V5 Tel: (450) 424-0186 Fax: (450) 455-5126

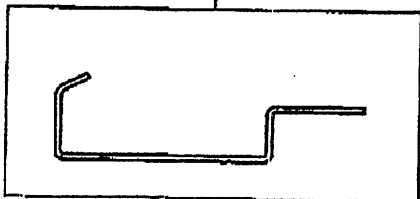
Figure 14



Detail Assembly



Scale 2:1

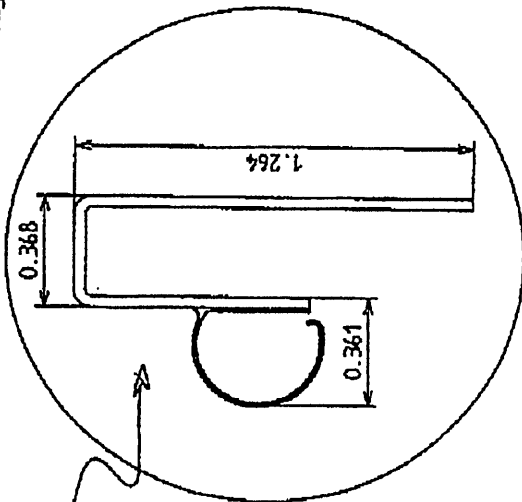


Full Scale

- Notes:
- Material: 20 ga. C.R.S
- Finish to be free from Oil
- Angular tolerance to be ±1°
- Qty: 12
- Length to be 9 feet

<p>EBERHARD VON HUENE & ASSOCIATES 450, Aine Vincent Boulevard, (Quebec) Canada J7V 5V5 Tel: (450) 424-0186 Fax: (450) 455-5826</p>		<p>Revisions</p>	
		<p>Drawn by G.B. Approved by Scale Full Date October 10, 2000 Tolerance ±0.0015 Drawing no. SA-0037-1</p>	
<p>TITLE Top Stiffener</p>		<p>This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.</p>	

Figure 15a



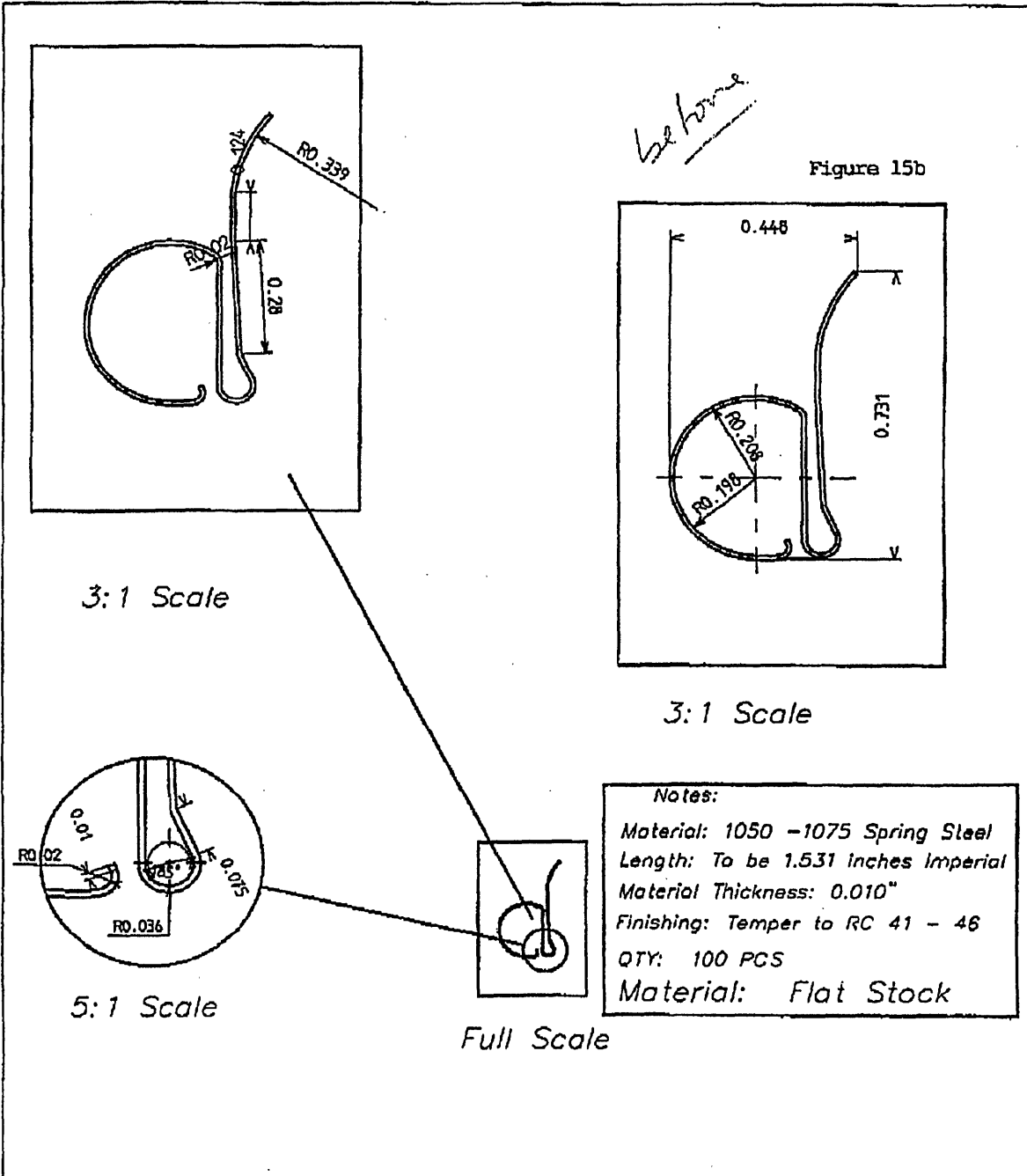
Scale 2:1

one piece

Full Scale Assy

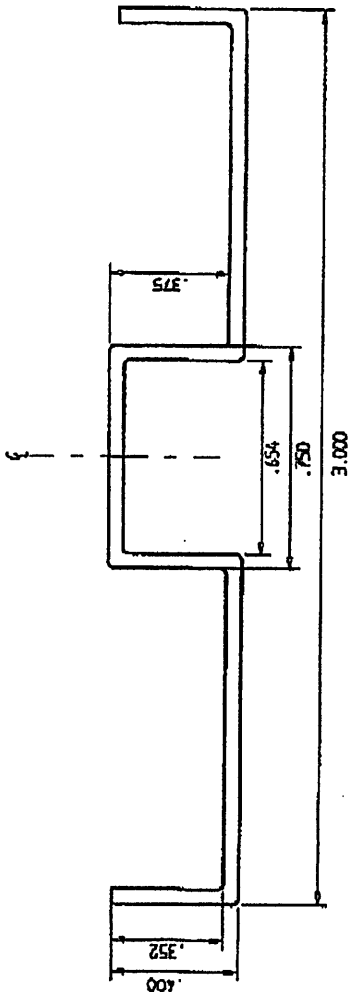
- Length to be 9 feet
- Material to be 19 ga. Sheet
- Spring Clip to be PVC
- Spring clip to be co-extruded on 1b sheet

EBERHARD VON HUENE & ASSOCIATES 450, Aline Vincent Vaudreuil, Quebec Canada J7V 5V5 Tel: (450) 426-0186 Fax: (450) 455-5726	TITLE Vertical Stiffener including spring clip	Revisions Clip to be incorporated with Stiffener
	This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.	Drawn by G.B. Approved by RLL Date Dec. 14, 2000 Scale Tolerance ± 0.005 Drawing no. SA-0004-7



EBERHARD VON HUENE & ASSOCIATES 346, Aime Vincent Vaudreuil, (Quebec) Canada J7V 5V5 Tel: (514) 424-0186 Fax: (514) 455-5126	TITLE TITRE <p style="text-align: center;"><i>Spring Clip</i></p> <p style="text-align: center;">Version 11/20/00</p>	Revisions Revisions <p style="text-align: center;"><i>Outer Radius oversized by 0.003"</i></p> <p style="text-align: center;"><i>Clip overshoots centre rotation point</i></p>
	This drawing is the property of EHI & Associates Inc. Reproduction or copying of this drawing in whole or in part, is prohibited without written authorization from EHI & Associates Inc. Ce dessin est la propriété exclusive de EHI & Associates Inc. Toute reproduction, en tout ou en partie dudit dessin, par quelque procédé que ce soit, est interdite sans l'autorisation écrite de EHI & Associates Inc.	Drawn by Dessigné par G.B. Scale Echelle Full Tolerance ± 0.010

Figure 16



NOTES:

- 1) C.R.S. 18 GAUGE
- 2) ALL FILLET RADIUS 0.40 UNLESS NOTED
- 3) RETURNED LENGTH 44.307"

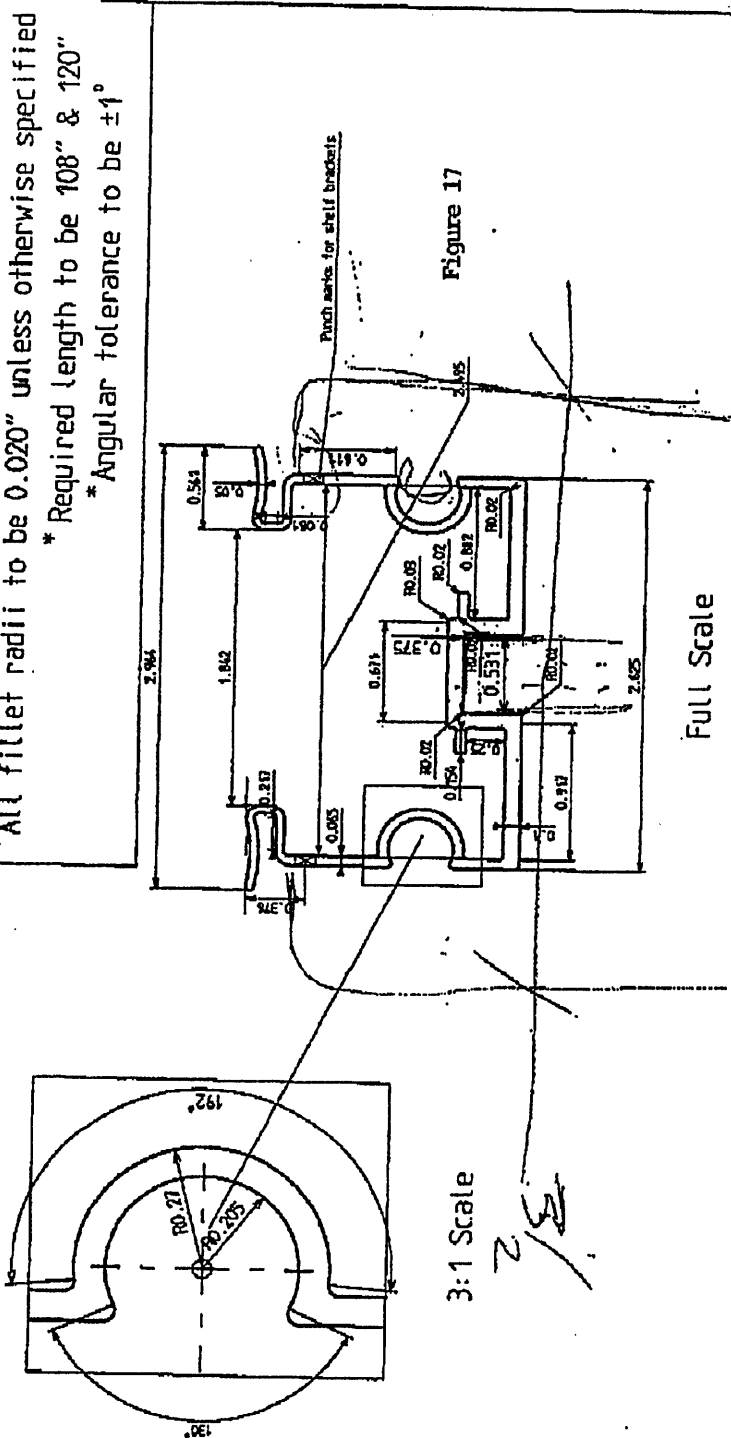
4) Quantity: 75 required

EBERHARD VON HUENE & ASSOCIATES 346, Aline Vincent Vaubienail, (Quebec) Canada J7V 5Y5 Tel: (514) 424-0186 Fax: (514) 455-5126	TITLE Intermediate Stiffener Profile Solid Panel Shell		Revisions
	This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.		
Drawn by G.B.	Approved by	Date July 18, 2000	
Scale 2:1	Tolerance ±0.015	Drawing no. SA-0005	

THIS DRAWING IS THE PROPERTY OF EBERHARD VON HUENE & ASSOCIATES INC. IT IS TO BE USED ONLY FOR THE PROJECT AND NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN AUTHORIZATION OF EBERHARD VON HUENE & ASSOCIATES INC.

Notes:

- * Material to be 6063-T6 Aluminum
- * All fillet radii to be 0.020" unless otherwise specified
- * Required length to be 108" & 120"
- * Angular tolerance to be $\pm 1^\circ$



EBERHARD VON HUENE & ASSOCIATES 450, Allee Vincent Veuhaut, (Quebec) Canada J7Y 5Y5 Tel: (450) 424-0166 Fax: (450) 425-5106	TITLE Solid Panel Verticle Post	REVISIONS Revised clip geometry completely modified Shelf bracket notch moved to 0.619" between centres R 0.065" changed to 0.020" in the corners
	Drawn by G.B. Approved by _____ Scale Full Date June 12, 2000 Tolerance ±0.005 Drawing no. SA-0001-11	This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.

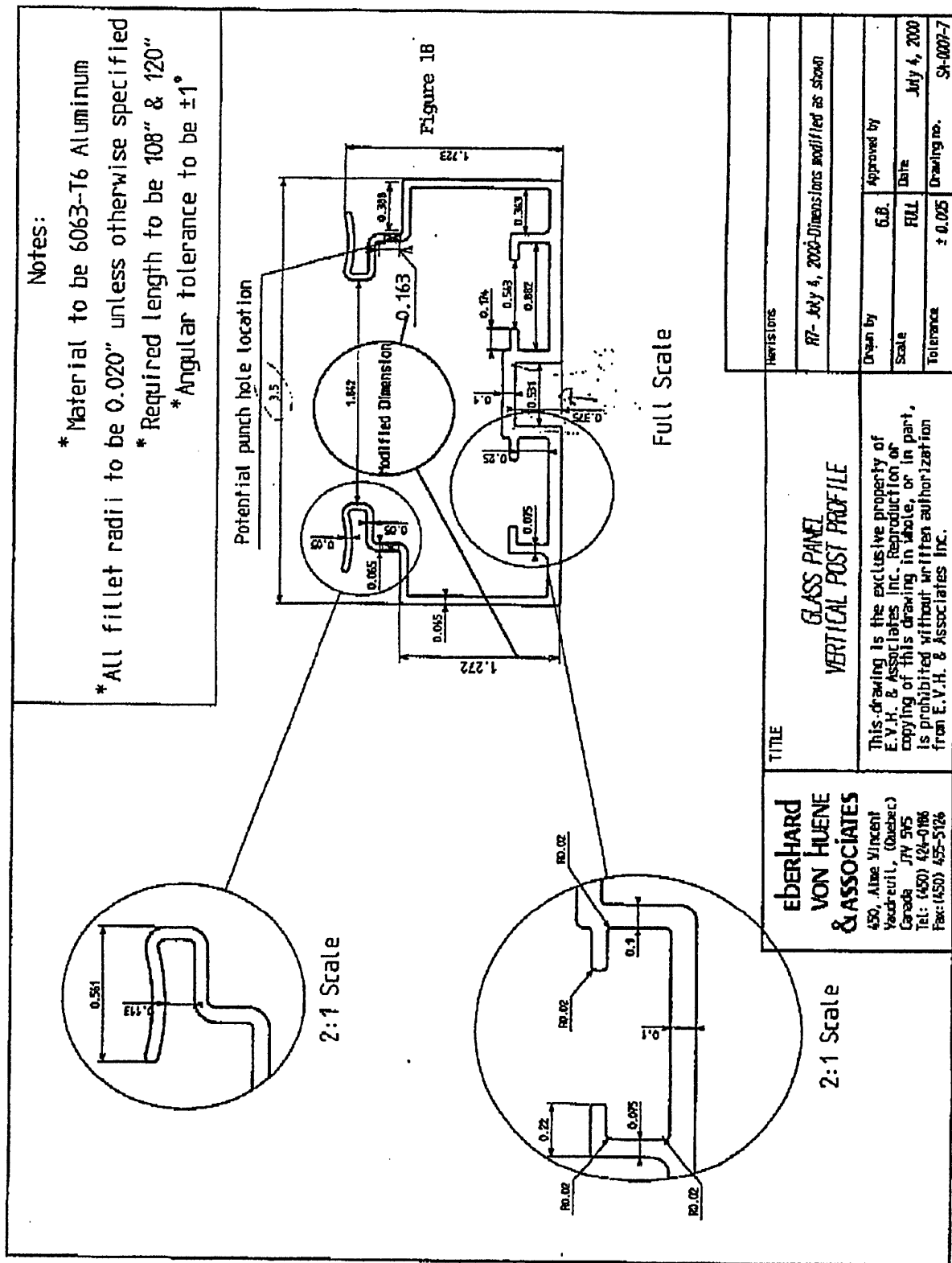
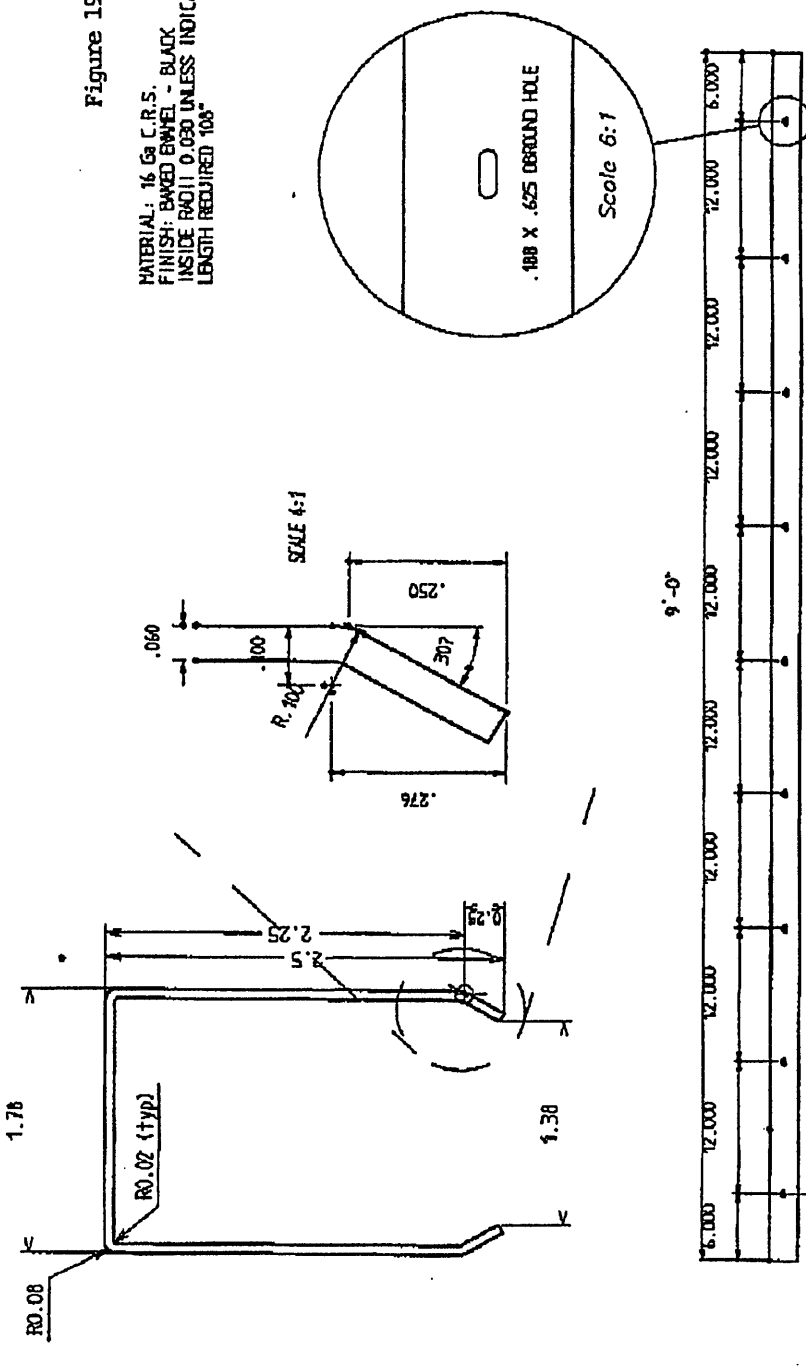


Figure 19

MATERIAL: 16 Gs C.R.S.
 FINISH: BAKED ENAMEL - BLACK
 INSIDE RADIUS 0.030 UNLESS INDICATED OTHERWISE
 LENGTH REQUIRED 100"



EBERHARD VON HUENE & ASSOCIATES		CEILING RAIL <i>(precessal)</i>	
650, Aime Vincent Verdun, (Quebec) Canada J7V 5V5 Tel: (450) 424-0186 Fax: (450) 455-5126		This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.	
Revisions			
Rail Width adjusted to 1.78"			
R2- 05/23/00 REVISED PROFILE WITH		Approved by	
Drawn by		G.B.	
Scale		Date	
1:0.075		June 12, 2000	
Tolerance		Drawing no.	
± 0.075		SH-0022-2	

Notes:

- * Material to be 6063-T6 Aluminum
- * All fillet radii to be 0.020" unless otherwise specified
- * Required length to be 108" & 120"
- * Angular tolerance to be $\pm 1^\circ$

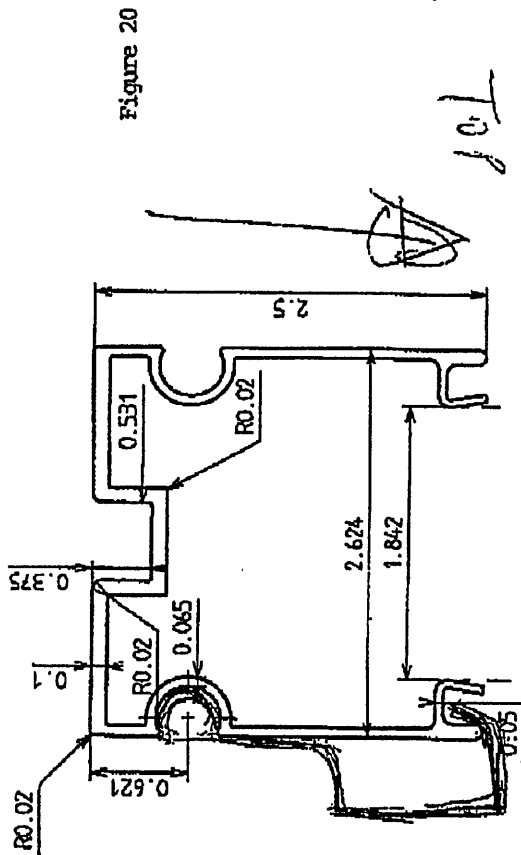


Figure 20

EBERHARD VON HUENE & ASSOCIATES 450, Aline Vincent Vaclouville, (Quebec) Canada J7Y 3Y5 Tel: (450) 824-0986 Fax: (450) 455-5126	TITLE Solid Panel Top/Bottom Distance Channel		REVISIONS Opening at top to be 1.842"
	Drawn by G.B.	Approved by [Signature]	Scale 1:1
This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.		Tolerance ± 0.005	Drawing no. SA-0002-9

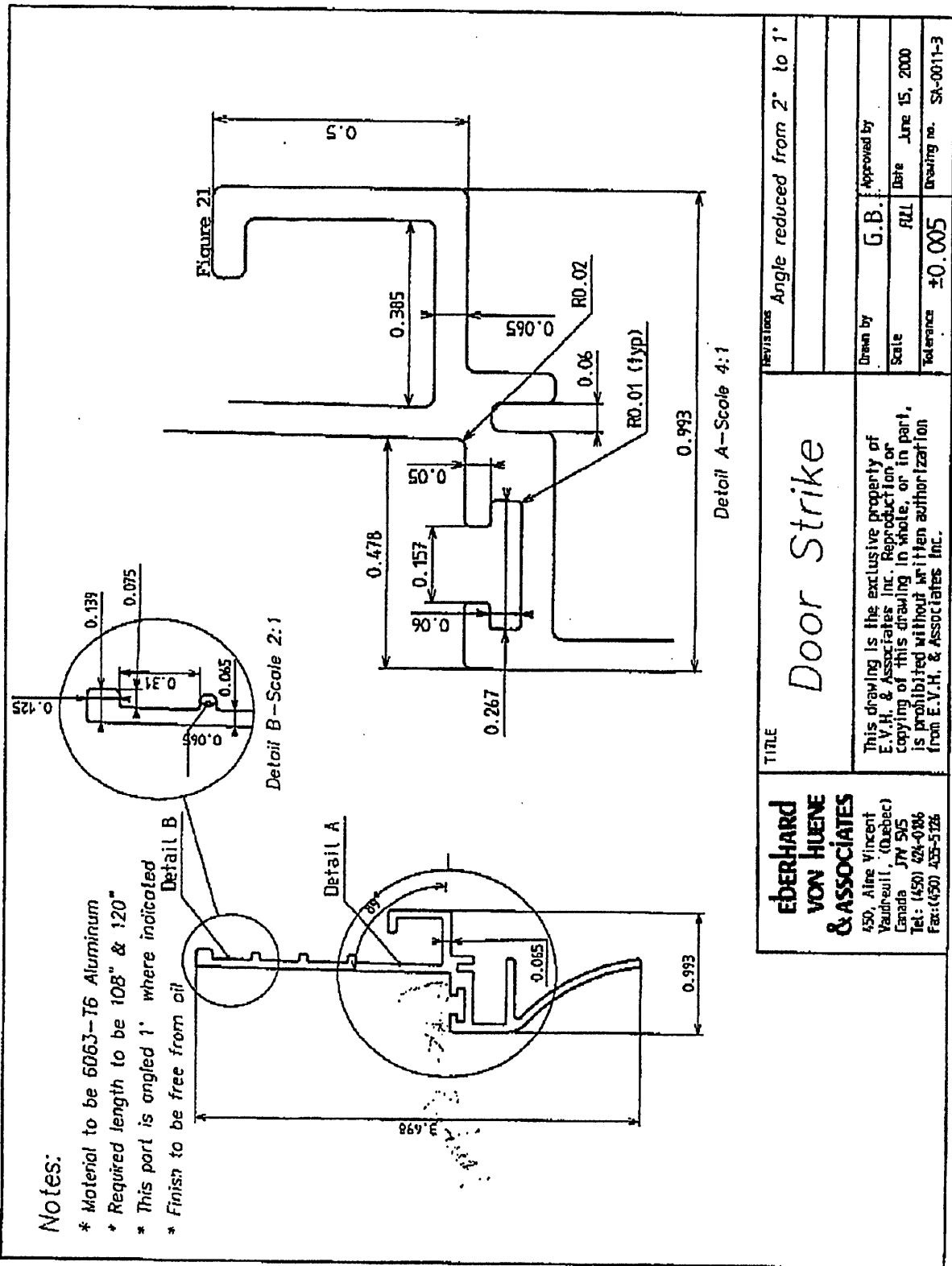
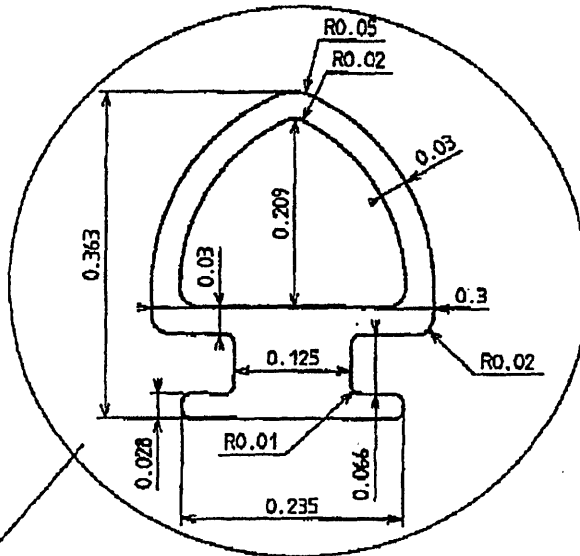
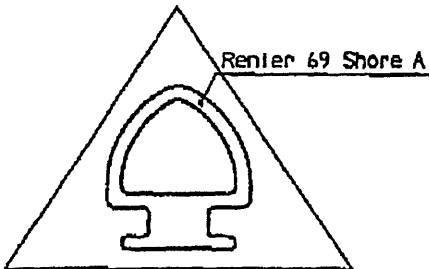
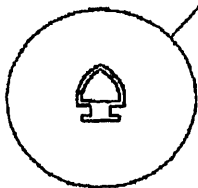


Figure 22

Construction Detail



6:1 Scale



1:1 Scale

Notes:

- * Material to be Renier TPR
- * To be cut into 10 foot lengths

**EBERHARD
VON HUENE
& ASSOCIATES**
346, Aime Vincent
Vaudreuil, (Quebec)
Canada J7V 5V5
Tel: (514) 424-0186
Fax: (514) 455-5126

TITLE
TITRE
Door Bumper Profile

This drawing is the property of EMI & Associates Inc.
Reproduction or copying of this drawing in whole or in part,
is prohibited without written authorization from EMI & Associates Inc.
Ce dessin est la propriété exclusive de EMI & Associates Inc. Toute
reproduction, en tout ou en partie, sans la permission écrite de EMI & Associates Inc.
est interdite sans l'autorisation écrite de EMI & Associates Inc.

Revisions		Revisions	
0.020" dynamic interference on door surface			
Material changed from Santoprene to Renier TPR			
Drawn by	G.B.	Approved by	
Designé par		Approuvé par	
Scale	Full	Date	June 29, 2000
Échelle		Drawing no.	SA-0031-3
Tolerance	± 0.005	Rev. description	

Figure 23a

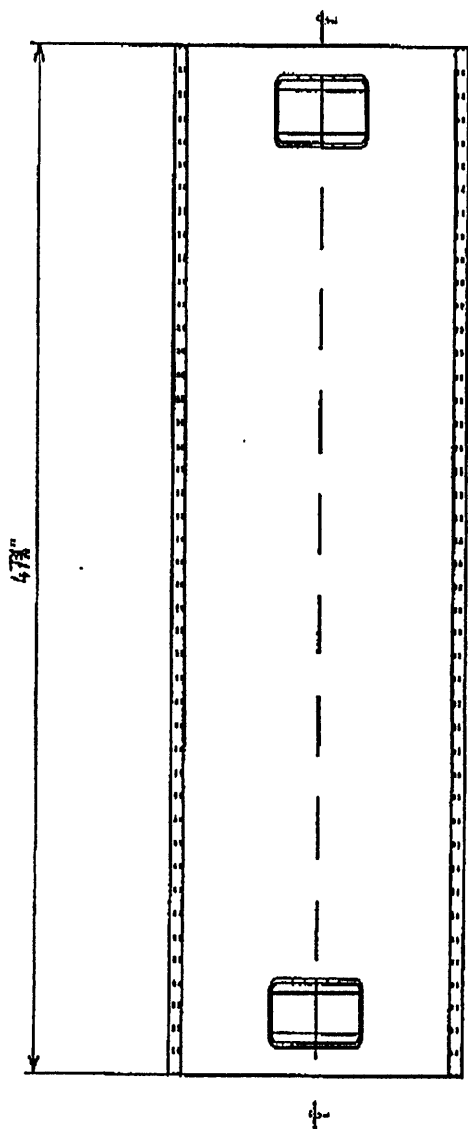
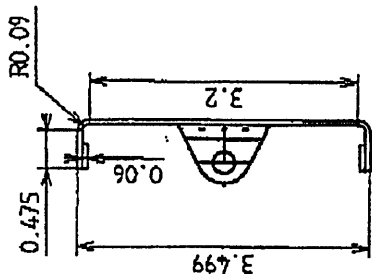
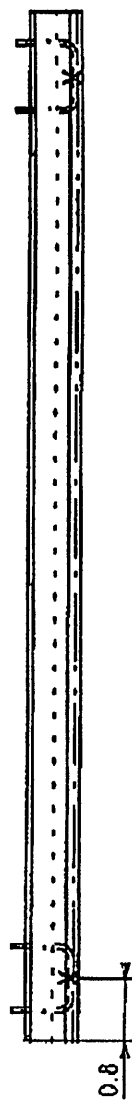


Figure 23b



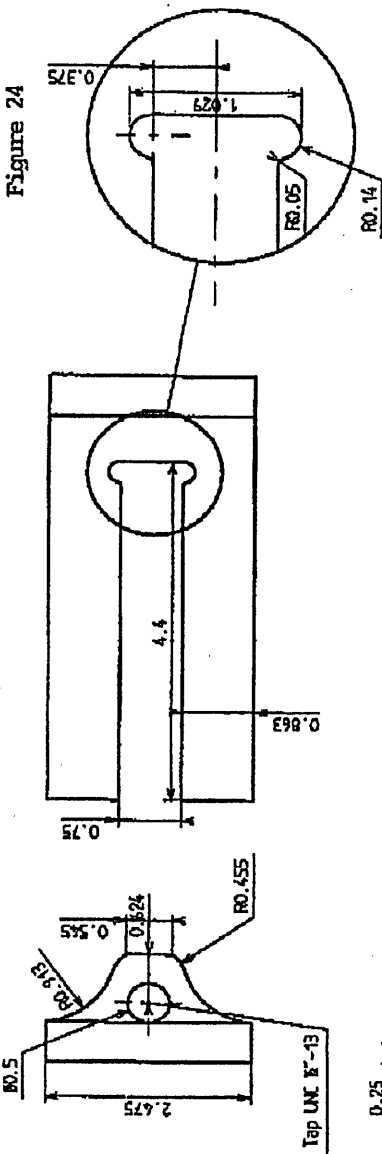
Notes:
 Quantity:
 Material:
 Finish to be free from Oil

Figure 23c

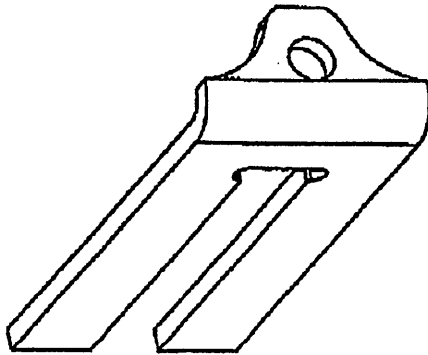


eberhard von haene & ASSOCIATES 545, Ave Vincent Tremblay, Quebec Tel: (514) 434-0116 Fax: (514) 433-2116		TIME Floor Channel	Revisions Bracket moved to match A-brin I
Drawn by SGA	G.B.	Approved by Full	Date 10/7 July 13, 20
Quantity 30,000	Drawing No. 54-002	Part No. 54-002	Revision 1

Figure 24



- Notes:
- Material:
 - *Low Carbon Steel
 - *All radii to be 0.020"
 - *Finish to be free from Oil
 - *Break all edges with a 0.020" radius



EBERHARD VON AUER & ASSOCIATES 200, Ave. Victor Courbevoie, Cedex Tel: (33) 1 47 35 21 00 Fax: (33) 1 47 35 21 00	TITLE <p style="text-align: center;"><i>Glide</i></p>		Revision Tapped Hole position changed
	Drawn by G.B.	Checked by J.L.	Approved by July 13, 2000
This drawing is the property of EBERHARD VON AUER & ASSOCIATES and shall remain confidential. It is prohibited without written authorisation from E.V.A. to reproduce, copy, or disseminate it.		Scale 1:1	Tolerance 30.005

Notes:

- * Material to be 6063-T6 Aluminum
- * All fillet radii to be 0.020" unless otherwise specified
- * Required length to be 108" & 120"
- * Angular tolerance to be $\pm 1^\circ$

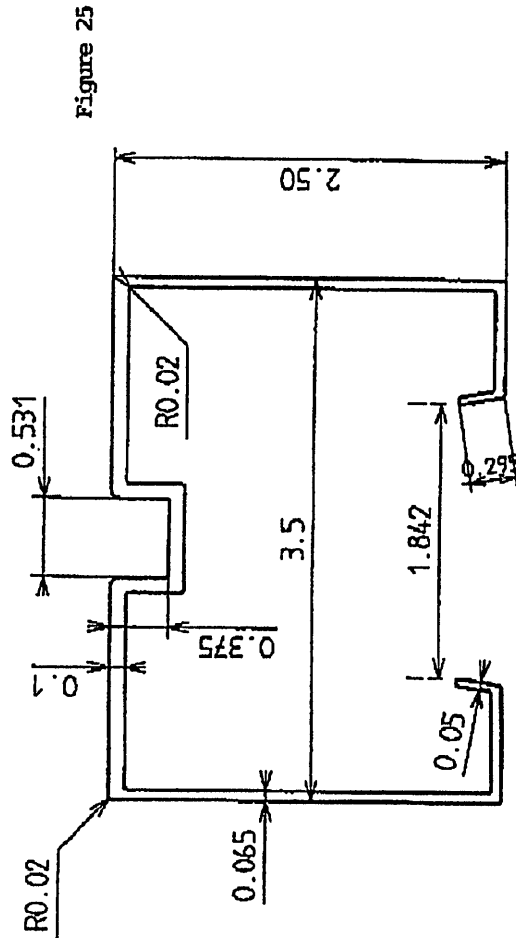
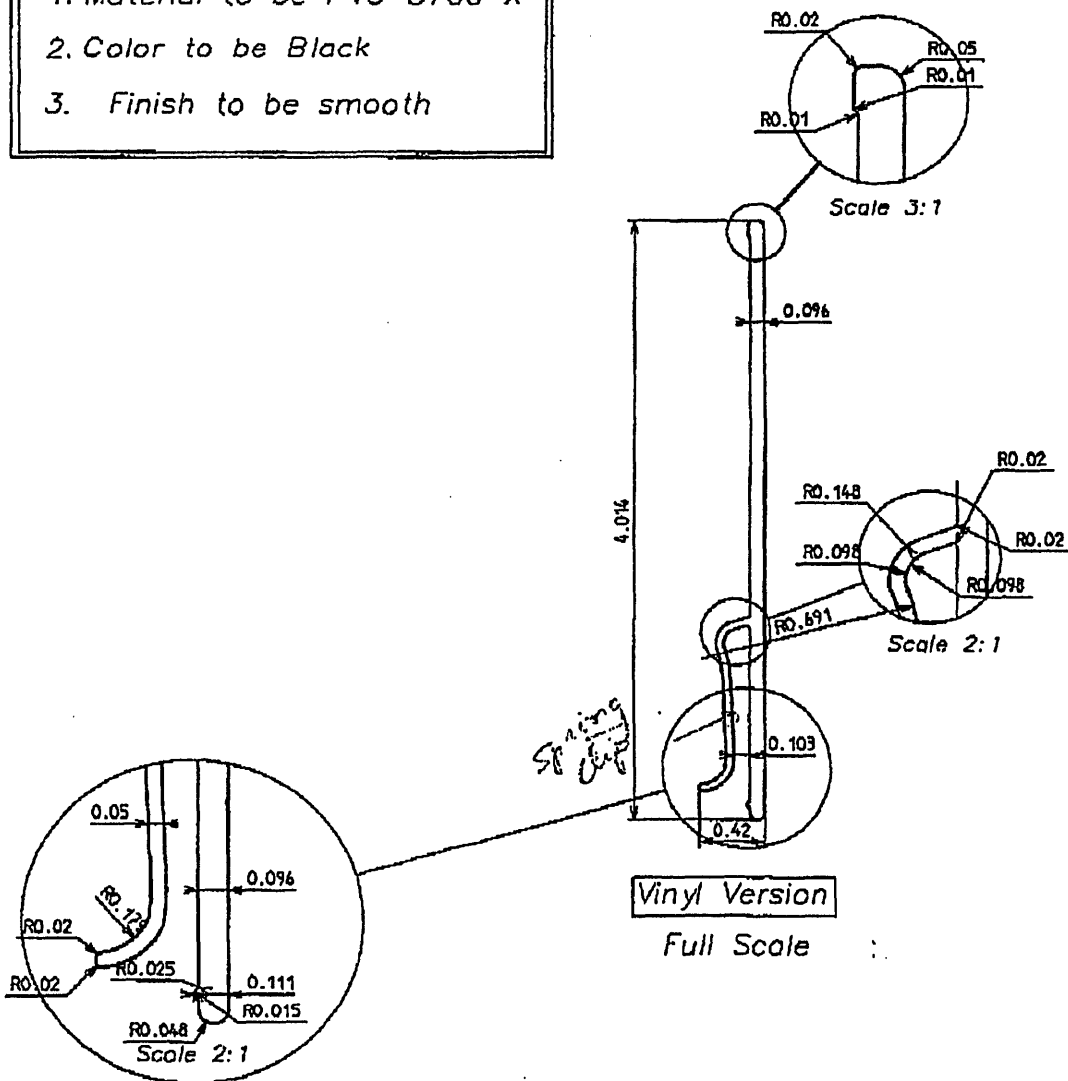


Figure 25

EBERHARD VON HUENE & ASSOCIATES 450, Aine Vincent Veureuil, (Quebec) Canada J7V 5N5 Tel: (450) 424-0246 Fax: (450) 455-5126		TITLE Glass Panel Top/Bottom Distance Channel		Revisions Gap changed to 1.842" for coating not tolerance
Drawn by G.B.	Approved by RLL	Date June 12, 2000	Tolerance ± 0.005	
This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole, or in part, is prohibited without written authorization from E.V.H. & Associates Inc.				

*** Notes - Vinyl Version:**
 1. Material to be PVC 8700 X
 2. Color to be Black
 3. Finish to be smooth

Figure 26

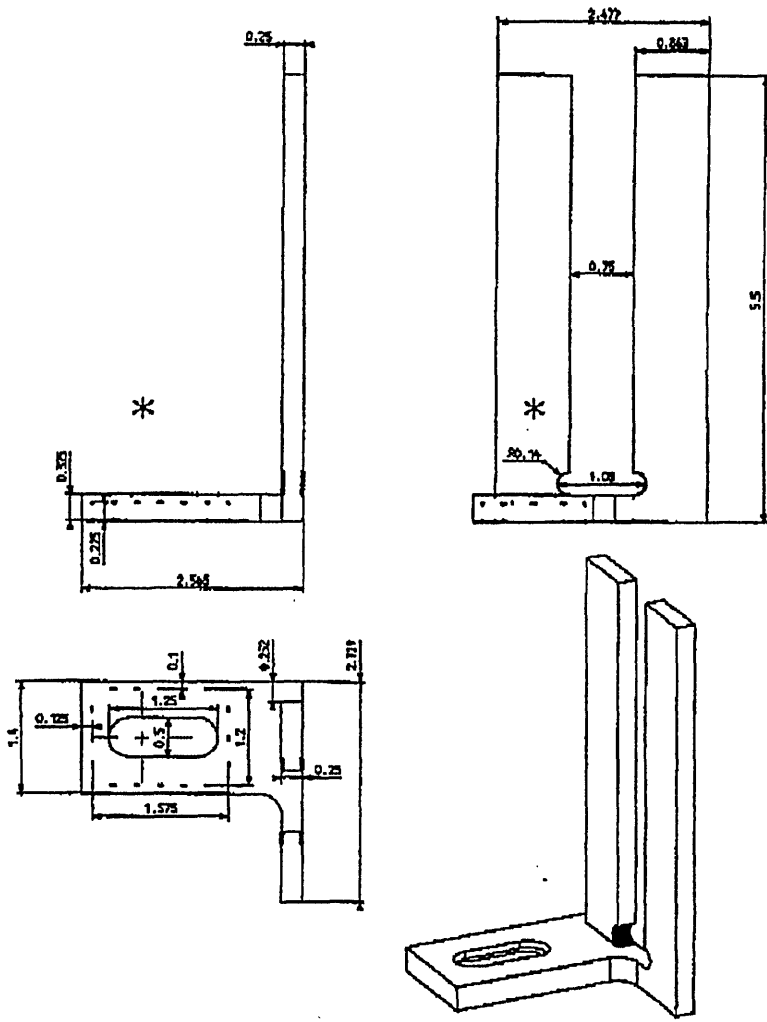


**EBERHARD
 VON HUENE
 & ASSOCIATES**
 344, Aime Vincent
 Vaudreuil, (Quebec)
 Canada J7V 5V5
 Tel: (514) 424-0186
 Fax: (514) 455-5126

TITLE
 TITRE
4" Base Cover

This drawing is the property of Evi & Associates Inc.
 Reproduction or copying of this drawing in whole or in part,
 is prohibited without written authorization from Evi & Associates Inc.
 Ce dessin est la propriété exclusive de Evi & Associates Inc. Toute
 reproduction, en tout ou en partie dudit dessin, par quelque procédé
 que ce soit, est interdite sans l'autorisation écrite de Evi & Associates Inc.

Revisions Revisions	1. Clip height increased to alleviate warp effect	
	2. 20 mil interference for spring	
Drawn by Dessigné par	G.B.	Approved by Approuvé par
Scale Echelle	1:1	Date Nov. 28, 2000
Tolerance	± 0.015	Drawing no No. dessin SA-0021-Vinyl-03

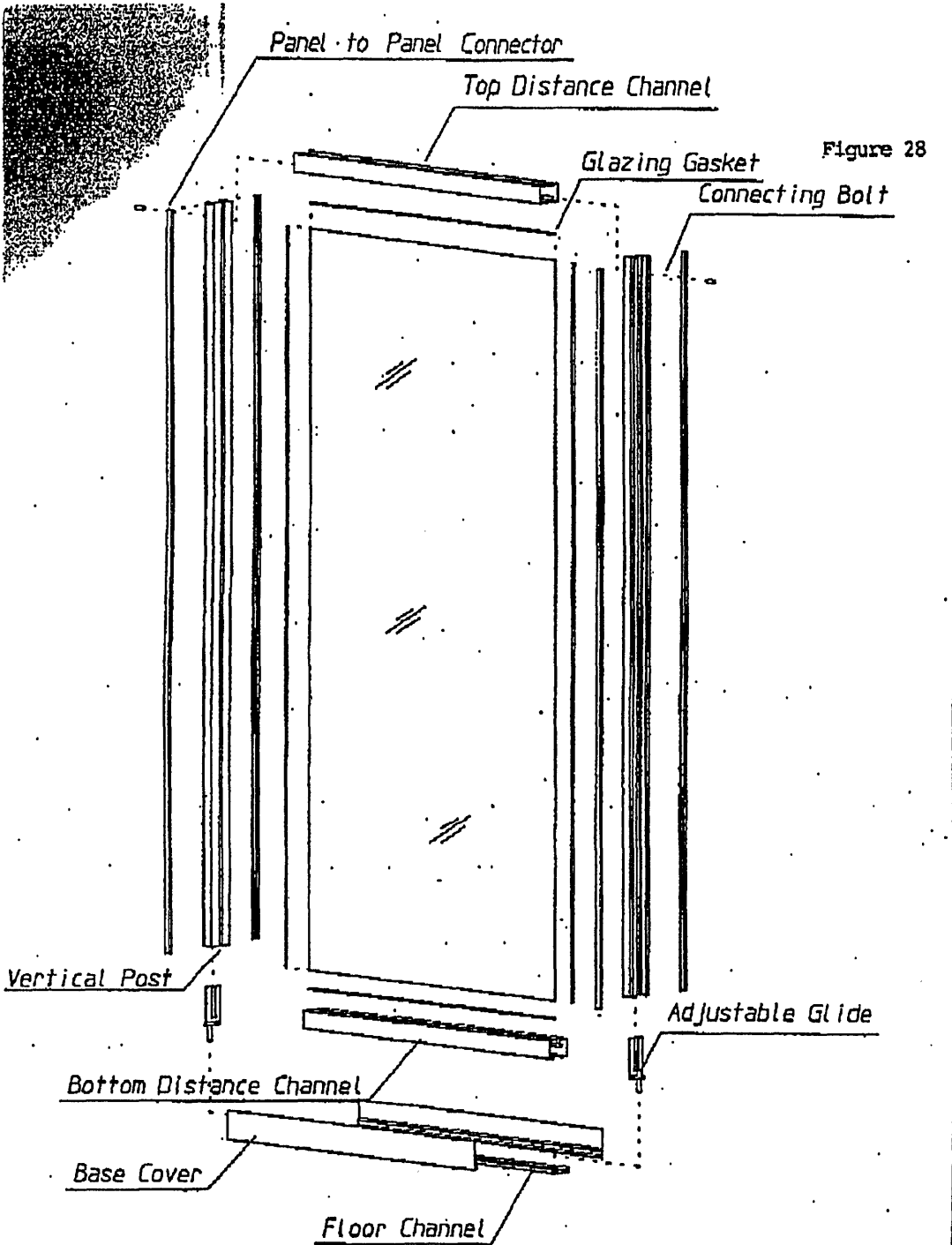


**EBERHARD
VON HUENE
& ASSOCIATES**
346, Alma Vincent
Vaudreuil, (Québec)
Canada J7V 5V5
Tel: (514) 424-0186
Fax: (514) 453-3126

TITLE
TITRE *Pivot Plate*

This drawing is the property of EHV & Associates Inc.
Reproduction or copying of this drawing in whole or in part,
is prohibited without written authorization from EHV & Associates Inc.
Ce dessin est la propriété exclusive de EHV & Associates Inc. Toute
reproduction, en tout ou en partie dudit dessin, par quelque procédé
que ce soit, est interdite sans l'autorisation écrite de EHV & Associates Inc.

Revisions Révisions	
Drawn by Dessigné par	G.B. Approved by Approuvé par
Scale Échelle	1:1 Date Nov. 6, 2000
Tolerance	± 0.015 Drawing no. No. dessin SA-0038



EBERHARD VON HUENE & ASSOCIATES 344, Ave Vincent Veinville, (Quebec) Canada J7V 5V5 Tel: (514) 444-0336 Fax: (514) 444-2134	TITLE <i>Genius Wall System Glass Panel Exploded View</i>	Revisions 		
	<small>This drawing is the exclusive property of E.V.H. & Associates Inc. Reproduction or copying of this drawing in whole or in part is prohibited without written authorization from E.V.H. & Associates Inc.</small>	Drawn by RCHS	Approved by DRS Dec. 12, 2000	
		Date Dec. 12, 2000	Drawing no. 	
		Version 	 	

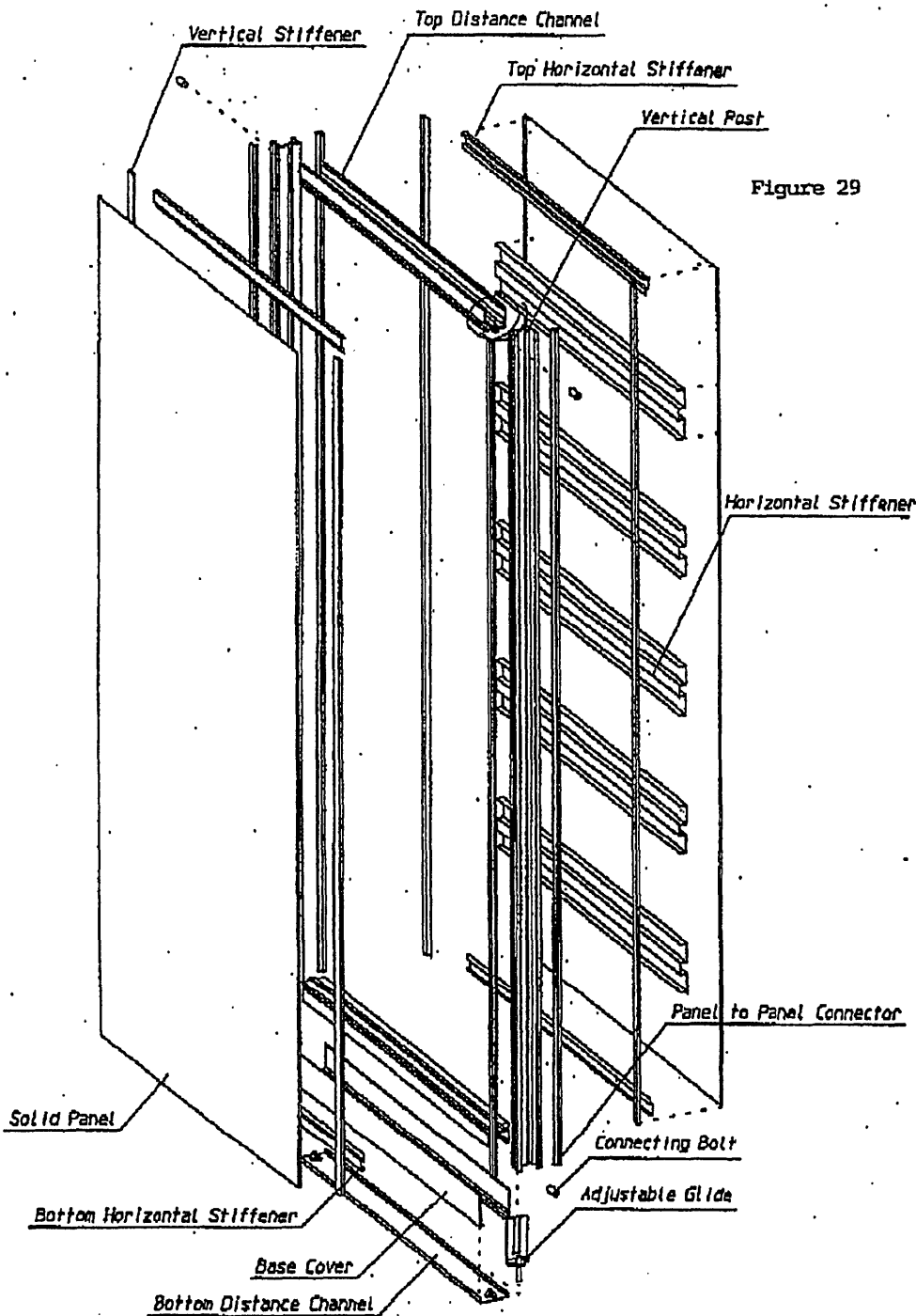
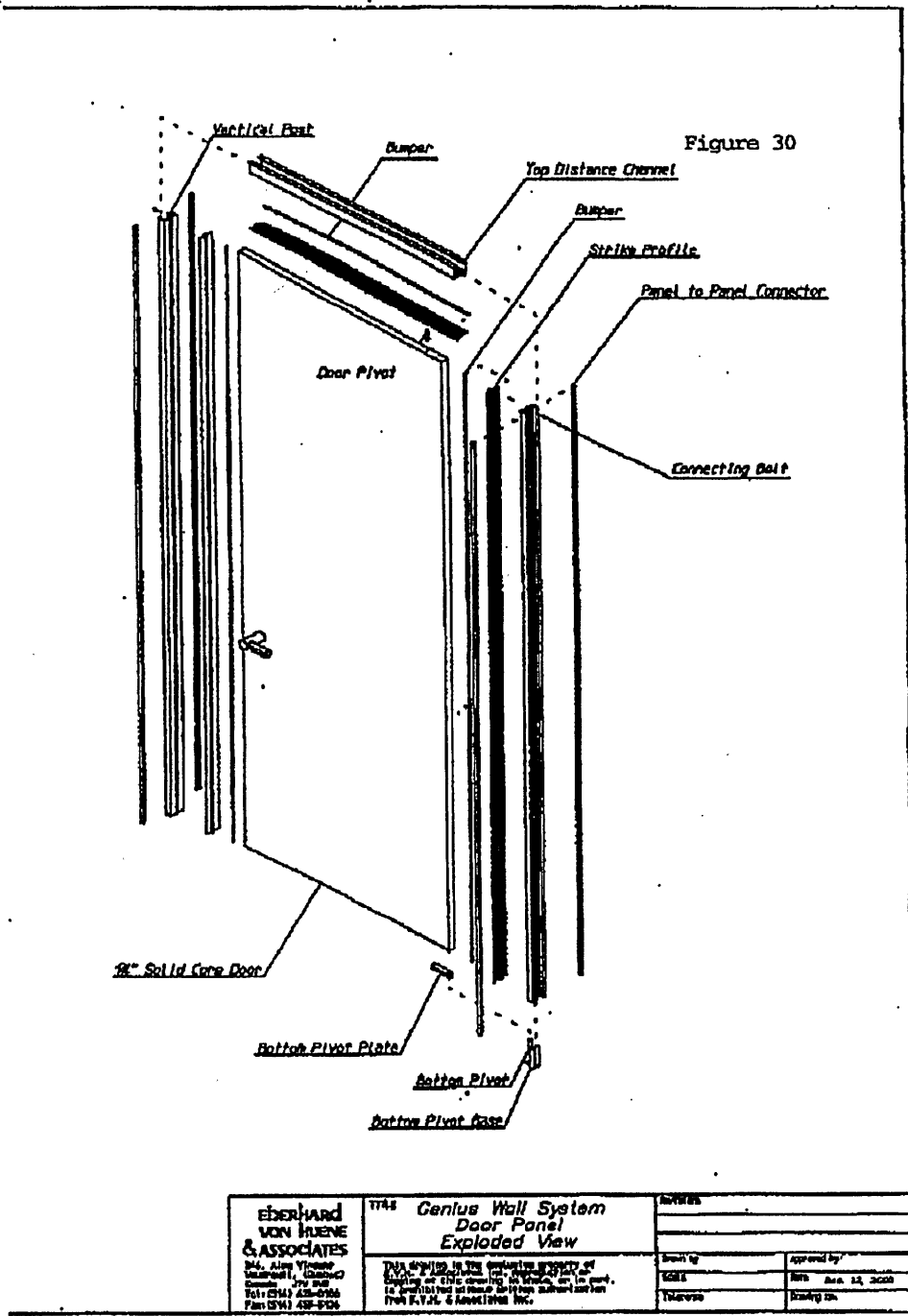


Figure 29

EBERHARD VON HUENE & ASSOCIATES 344, Alton Village Westmount, QUÉBEC Canada J7V 2V5 Tel: (514) 432-0184 Fax: (514) 432-8126	TITLE: Genius Wall System Solid Panel Exploded View	Author:	
	This drawing is the exclusive property of E. V. H. & Associates Inc. Reproduction or copying of this drawing in whole or in part, is prohibited without written authorization from E. V. H. & Associates Inc.	Drawn by: JCS	Approved by: URS Dec. 12, 2000
		Telephone:	Drawing no.:

73



9C:9T 00. YE 2000 F-352 7-818 P-004
 2000/12/22 14:57 JAF FAX #370



10027972 .032202



DECLARATION FOR PATENT APPLICATION

As a below named inventor, I (we) hereby declare that my (our) residence, post office address and citizenship are as stated below next to my (our) name; I (we) believe that I am (we are) the original, first and sole inventor(s) (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention (Design, if applicable) entitled: DEMOUNTABLE PARTITION SYSTEM

the specification of which (check one): is attached hereto; was filed on December 21, 2001 as application serial No. _____ and was amended on (or amended through) _____ (if applicable); was filed on _____ as International Application (PCT) No. _____ and amended on _____ (if applicable). I (we) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I (we) acknowledge the duty to disclose information known by me (us) to be material to the patentability of my (our) invention in accordance with Title 37, Code of Federal Regulations, § 1.56(a). I (we) hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application which priority is claimed.

I (We) hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application which priority is claimed.

Prior Foreign Application(s)			Priority Claimed	
2,329,591	CANADA	22/12/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	YES	NO

I (we) hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I (we) acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior art application and the national or PCT international filing date of this application:

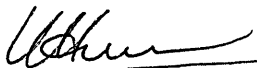
(Appl. No.) (Filing date) (Status – Patented, Pending or Abandoned)

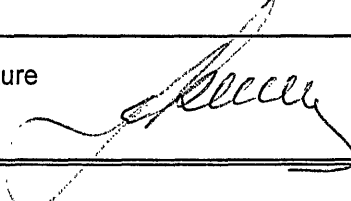
(Appl. No.) (Filing date) (Status – Patented, Pending or Abandoned)

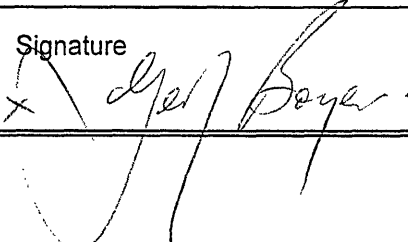
I (we) hereby declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: I (we) hereby appoint as my (our) attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Garabed NAHABEDIAN (Reg. No. 29,507); Thierry ORLHAC (Reg. No. 29,497); Alain PROVOST (Reg. No. 33,143); Nathalie JODOIN (Reg. No. 41,558); Louis-Pierre GRAVELLE (Reg. No. 44,429); Luc MORIN (Reg. No. 44,430); and France LECLAIRE (Reg. No. 48,115), whose professional address is 55 St Jacques, Montreal, Quebec, Canada, H2Y 3X2.

Full name of First or Sole Inventor Eberhard VON HOYNINGEN HUENE	Citizenship Canadian
Residence Address-Street 107 Côte St-Charles	Post Office Address-Street 107 Côte St-Charles
City Hudson	City Hudson
State or Country Zip Québec CANADA J0P 1H0	State or Country Zip Québec CANADA J0P 1H0
Date X Feb. 8 th 2002	Signature X 

Full name of second Inventor Michael SALZMAN	Citizenship Canadian
Residence Address-Street 271 Ernest	Post Office Address-Street 271 Ernest
City Dollard-des-Ormeaux	City Dollard-des-Ormeaux
State or Country Zip Québec CANADA H9A 3G4	State or Country Zip Québec CANADA H9A 3G4
Date X FEB. 8 TH , 2002	Signature X 

Full name of third Inventor Geoffrey BOYER	Citizenship Canadian
Residence Address-Street 292 Inglewood Ave.	Post Office Address-Street 292 Inglewood Ave.
City Pointe-Claire	City Pointe-Claire
State or Country Zip Québec CANADA H9R 2Z5	State or Country Zip Québec CANADA H9R 2Z5
Date x February 7, 2002	Signature x 



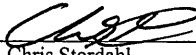
10/027872

575
8-9-02
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	VON HOYNINGEN HUENE, et al.	Examiner:	Unknown
Serial No.:	10/027872	Group Art Unit:	Unknown
Filed:	December 21, 2001	Docket No.:	9680.190US01
Title:	MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM		

CERTIFICATE UNDER 37 CFR 1.10
 'Express Mail' mailing label number: EV 036305928 US
 Date of Deposit: March 22, 2002
 I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail PostOffice To Addressee' service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

By: 
 Chris Stordahl

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

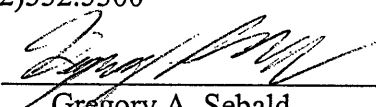
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

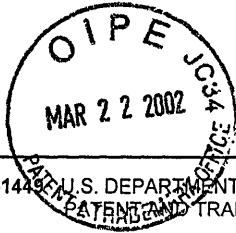
MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
(612)332.5300

Dated: March 22, 2002

By: 
Gregory A. Sebald
Reg. No.: 33,280

GAS/pjk





FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) U.S. PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	APPLICANT Eberhard VON HOYNINGEN HUENE et al.	
	FILING DATE	GROUP

U.S. PATENT DOCUMENTS

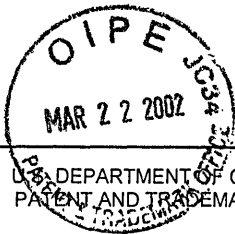
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KM	3 0 4 0 8 4 7	1962	Webster	489	34	
KM	3 3 5 2 0 7 8	1967	Neal	52	373	
KM	3 3 6 3 3 8 3	1968	La Barge	52	471	
KM	3 6 7 5 3 8 2	1972	Licklitter et al.	52	214	
KM	4 1 6 7 0 8 4	1979	Brunton	52	169.7	
KM	4 3 9 9 6 4 4	1983	Bright	52	746	
KM	4 6 4 0 0 7 2	1987	Mühle	52	403	
KM	4 7 5 7 6 5 7	1988	Mitchell et al.	52	241	
KM	4 8 2 5 6 1 0	1989	Gasteiger	52	247	
KM	5 0 5 6 5 7 7	1991	DeLong et al.	160	435	
KM	5 1 5 9 7 9 3	1992	Deugo et al.	52	126.1	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Kevin M. Bennett</i>	DATE CONSIDERED <i>April 24, 2003</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPZP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



FORM PTO-1449 (Rev. 2-32) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	APPLICANT Eberhard VON HOYNINGEN HUENE et al.	
	FILING DATE	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KM	5 2 0 7 0 3 7	1993	Giles et al.	52	126.6	
KM	5 3 7 9 5 6 0	1995	Steller	52	204.7	
KM	5 3 8 1 8 4 5	1995	Ruggie et al.	160	135	
KM	5 4 9 1 9 4 3	1996	Vondrejs et al.	52	230	
KM	5 6 4 4 8 7 8	1997	Wehrmann	52	287.1	
KM	5 7 3 5 0 8 9	1998	Smith et al.	52	202	
KM	5 8 7 5 5 9 6	1999	Muller	52	230	
KM	6 1 1 2 4 8 5	2000	Beyer et al.	52	230	
KM	6 1 2 2 8 7 1	2000	Russell et al.	52	243.1	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Kevin McDevitt</i>	DATE CONSIDERED <i>April 24, 2003</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

10027872 .032202

11 Kern

3

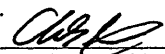


10/027872

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	VON HOYNINGEN	Examiner:	Unknown
	HUENE, et al		
Serial No.:	10/027872	Group Art Unit:	Unknown
Filed:	December 21, 2001	Docket No.:	9680.190US01
Title:	MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM		

CERTIFICATE UNDER 37 CFR 1.10:
 "Express Mail" mailing label number: EV 036305928 US
 Date of Deposit: March 22, 2002
 I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, Washington, D.C. 20231.
 By: 
 Name: Chris Stordahl

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents
Attn: Official Draftsman
Washington, D.C. 20231


Dear Sir:

Submitted herewith are 60 sheet(s) of Formal Drawings for completion of this application, and in compliance with the requirements of the Notice to File Missing Parts dated January 25, 2002.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
(612)332.5300

Dated: March 22, 2002

By: 
Gregory A. Sebald
Reg. No.: 33,280

GAS/pjk

APPROVED	C.G. FIG
BY	CLASS SUBCLASS
DRAFTSMAN	

Inventor: VON HOVNINGEN HUENE, et al.
 Docket No.: 9680 01
 Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
 Serial No.: 10/0278
 Sheet 1 of 60

10027872 .032202

6688056

37

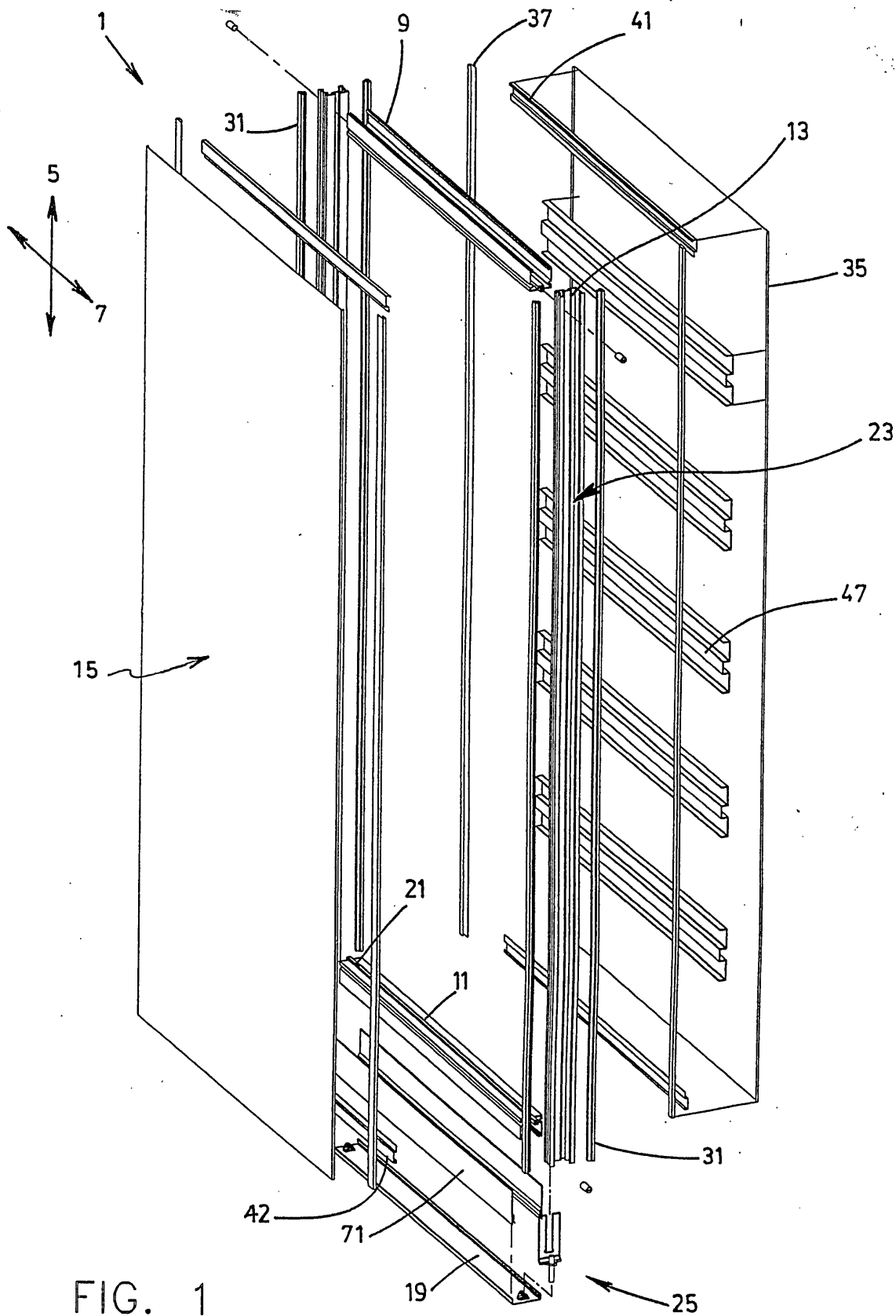


FIG. 1

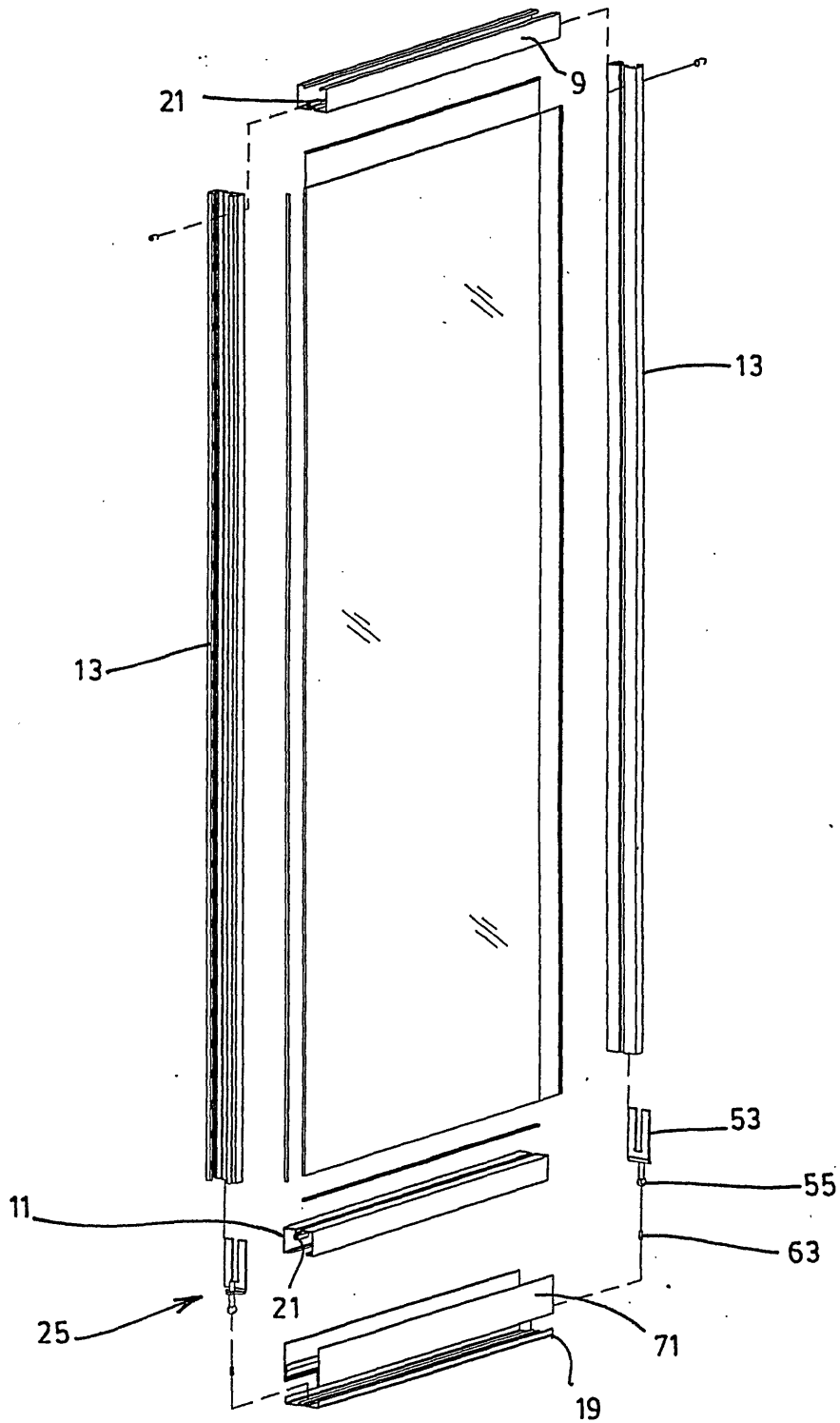
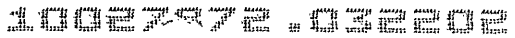


FIG. 2

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680 US01
Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/02
Sheet 3 of 60

10027972 .032202

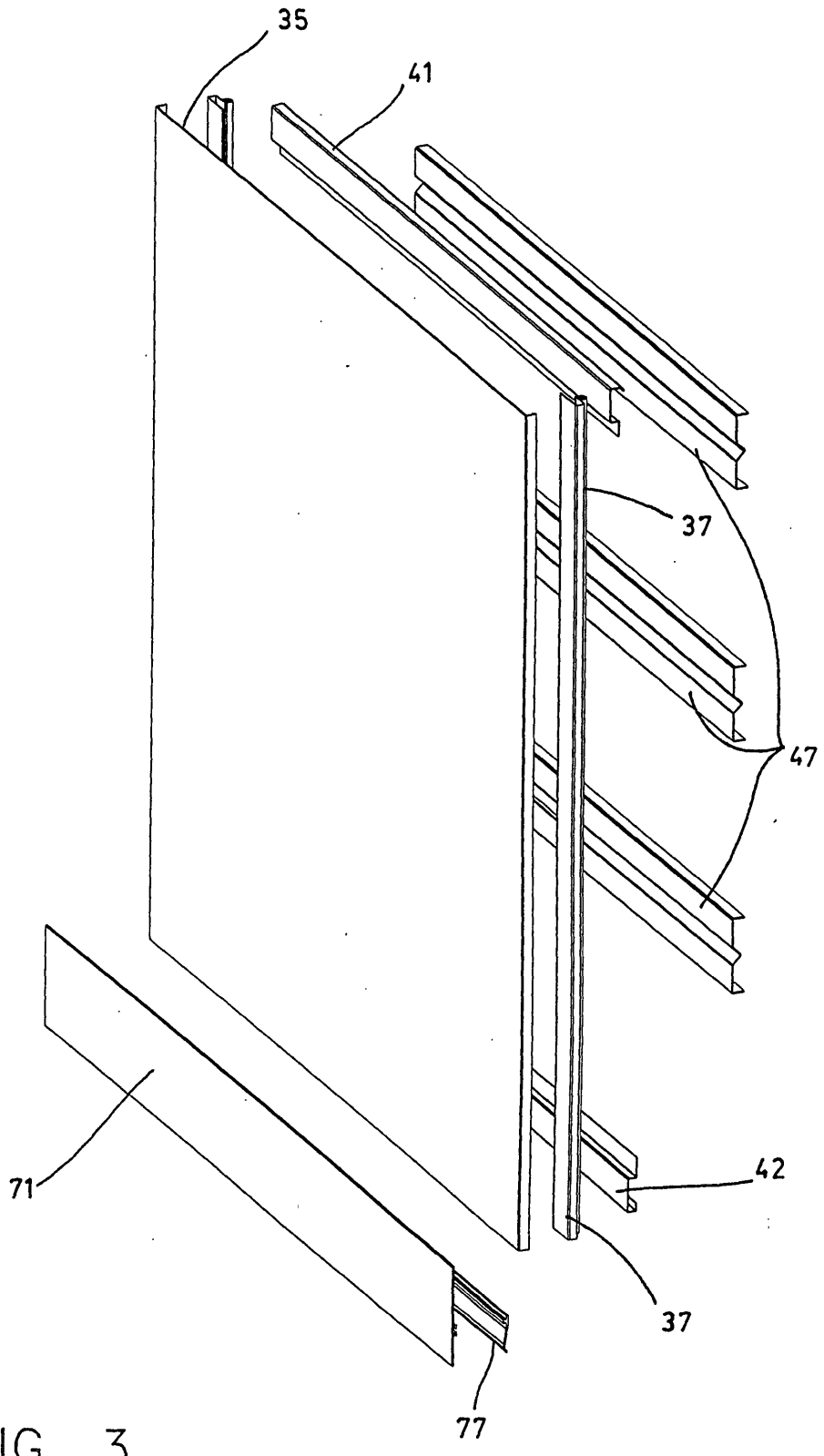


FIG. 3

Inventor: VON HONNINGEN HUENE, et al.
Docket No.: 96f S01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 4 of 60

10027872-032202

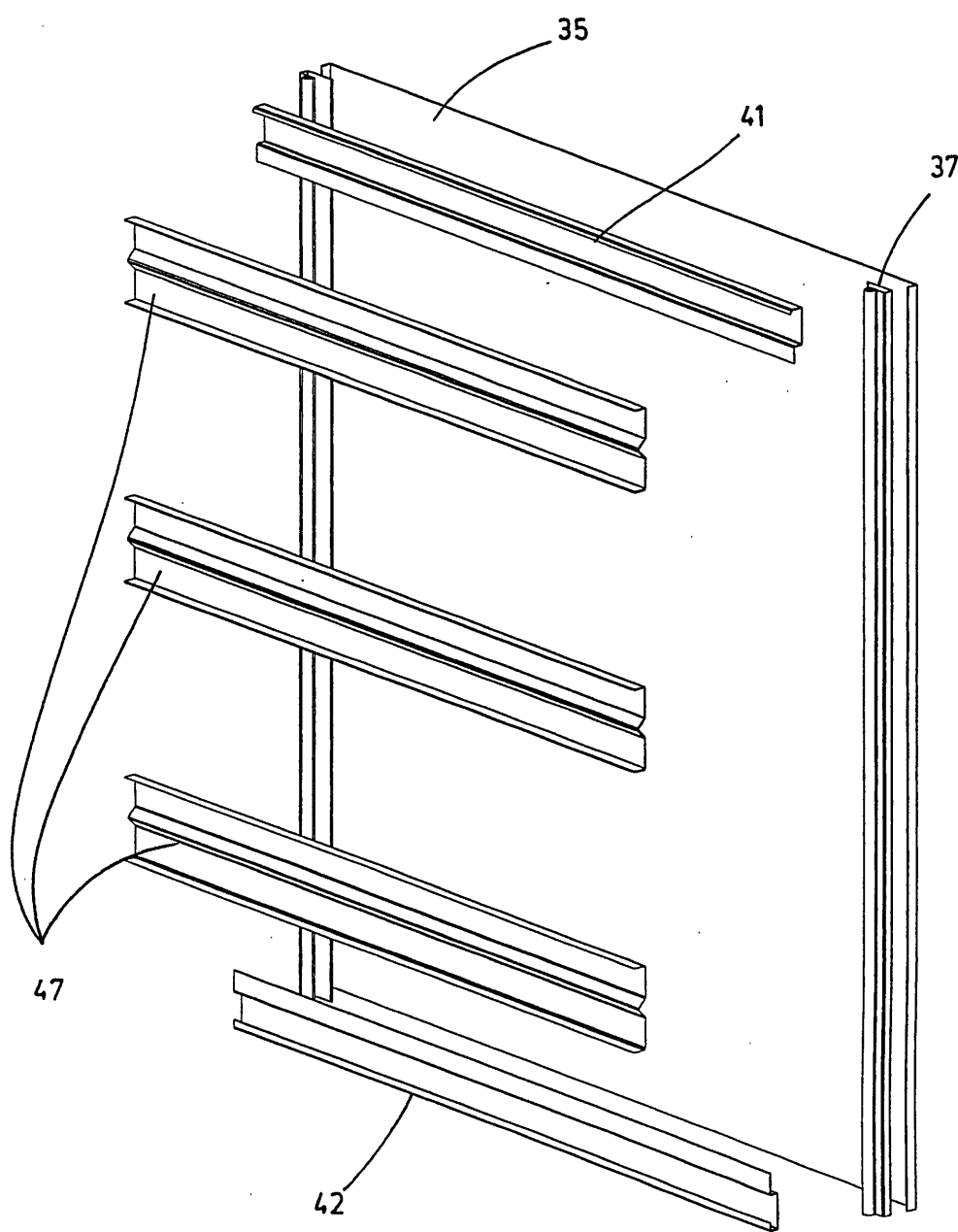


FIG. 4

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.1
Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/02787
Sheet 5 of 60

10057476 039902

FIG. 5

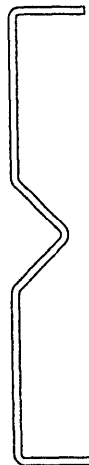
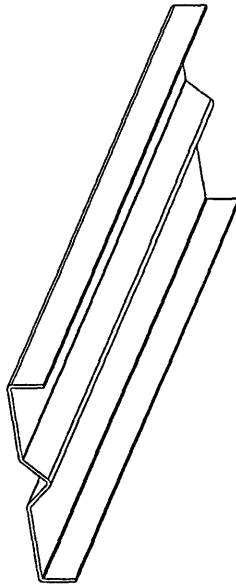


FIG. 6

FIG. 8

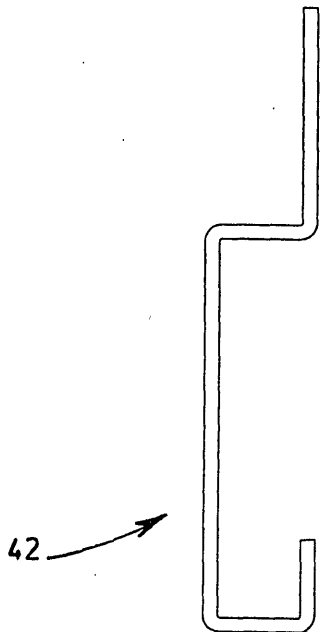
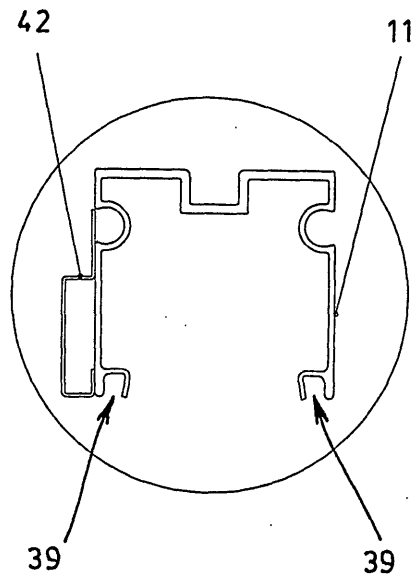


FIG. 9

10000000 10000000

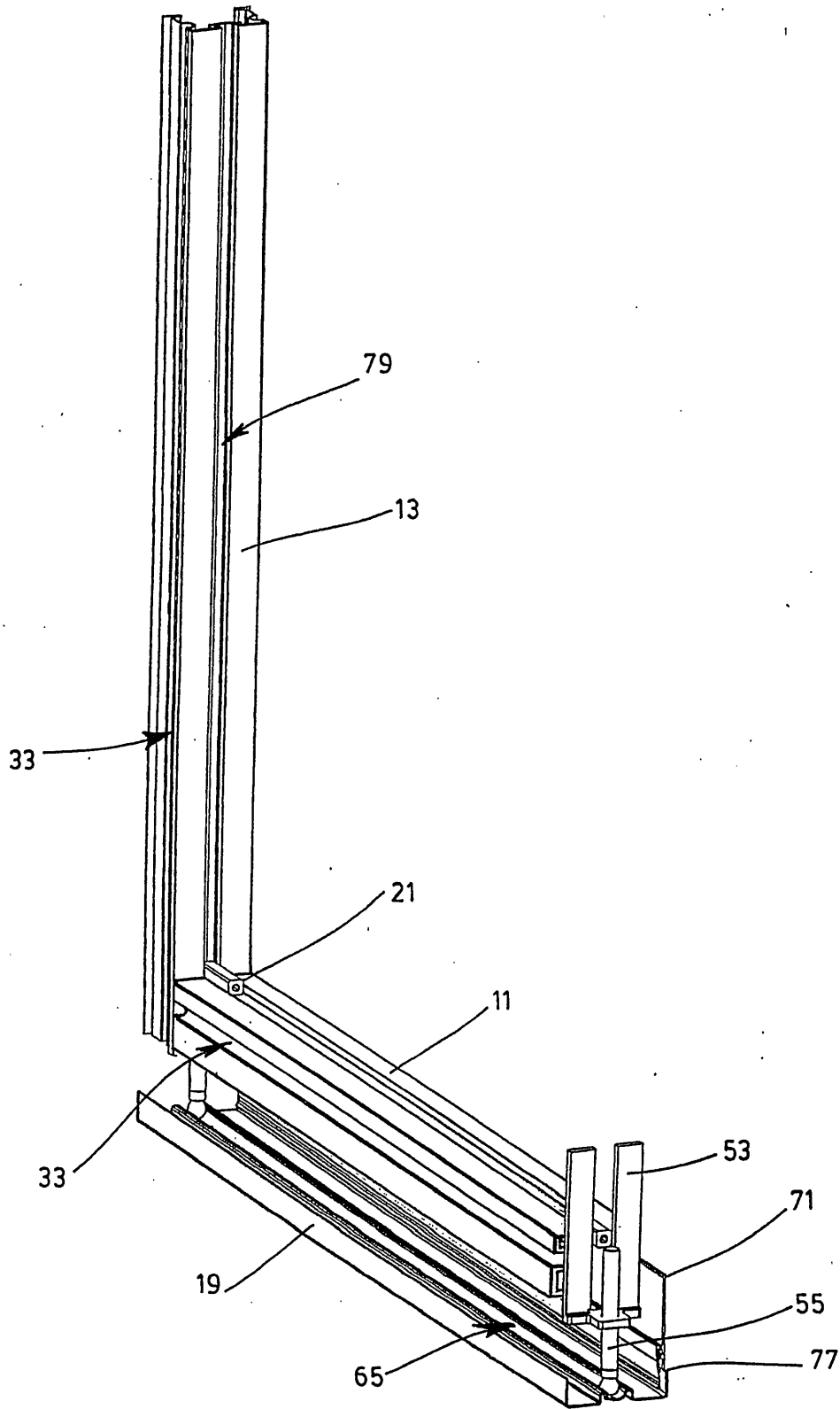


FIG. 10

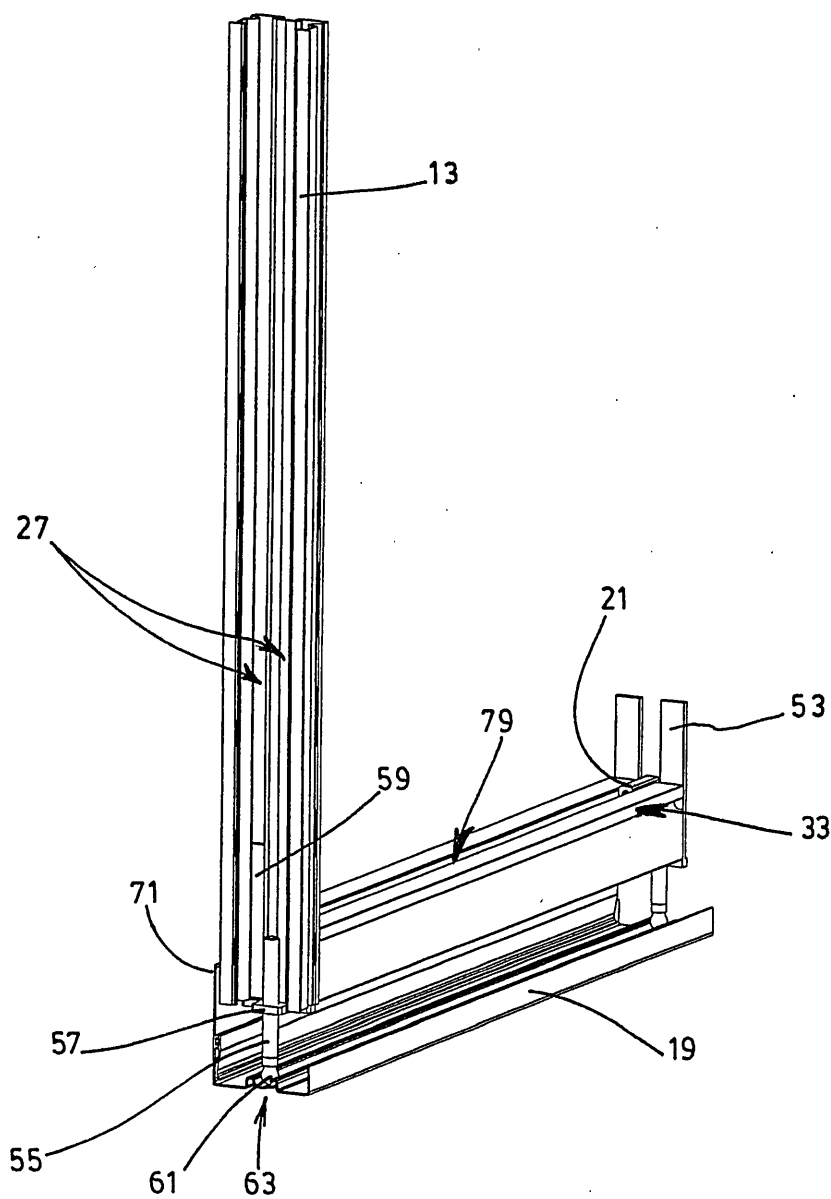


FIG. 11

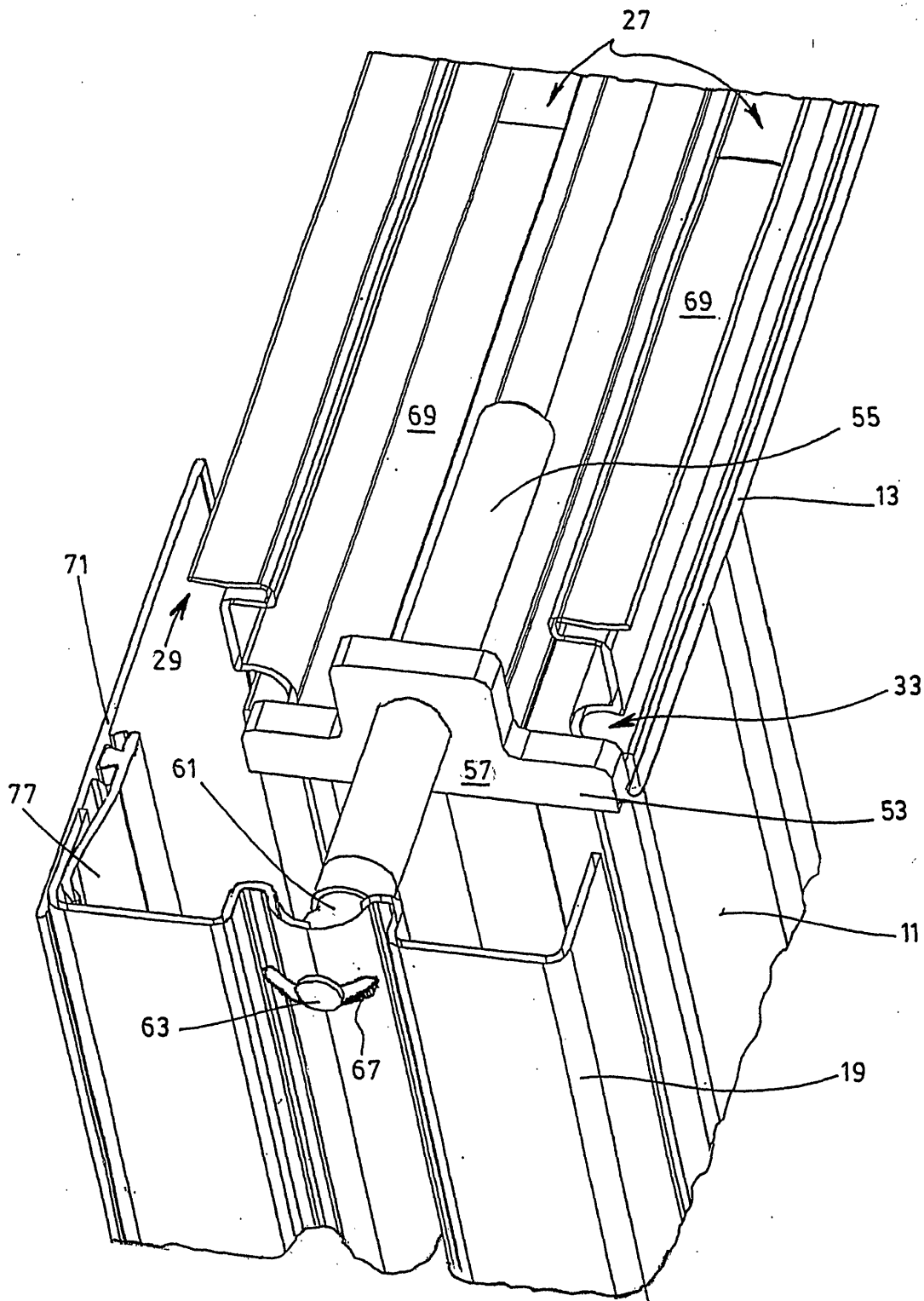


FIG. 12

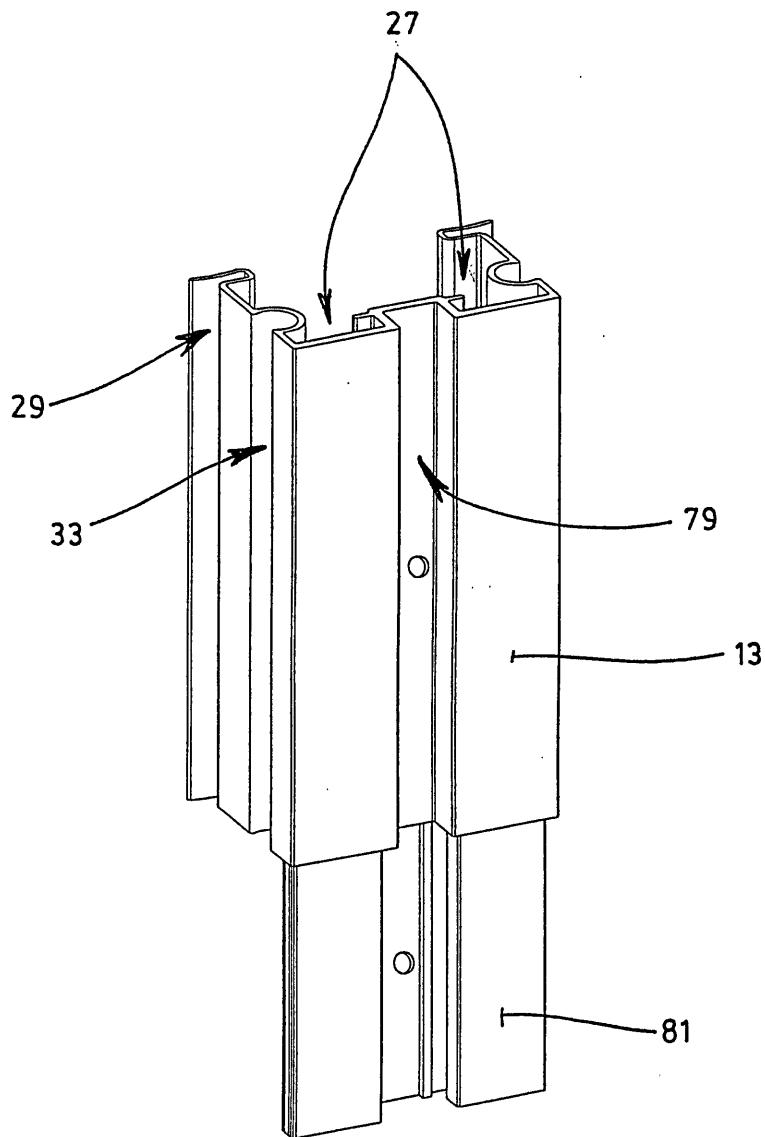


FIG. 14

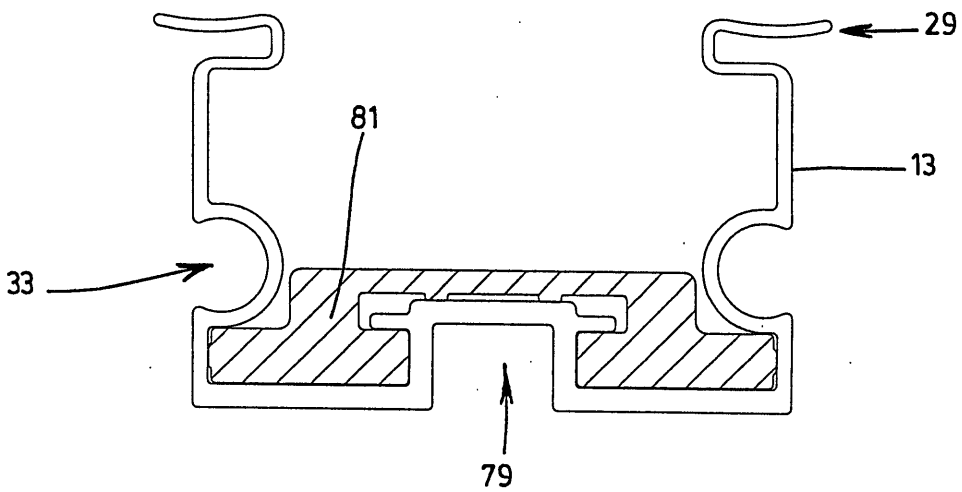


FIG. 17

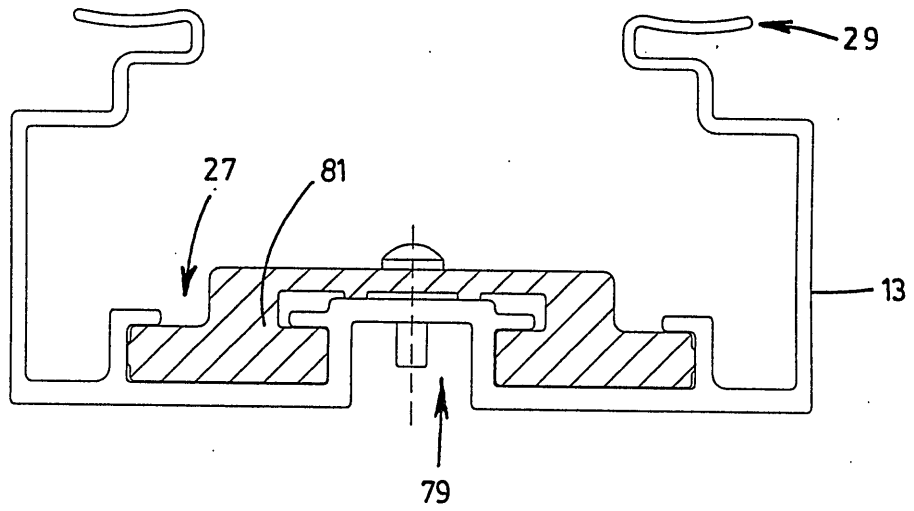


FIG. 18

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.1P
Title: MOVEABLE MOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 15 of 60

10027872-000000

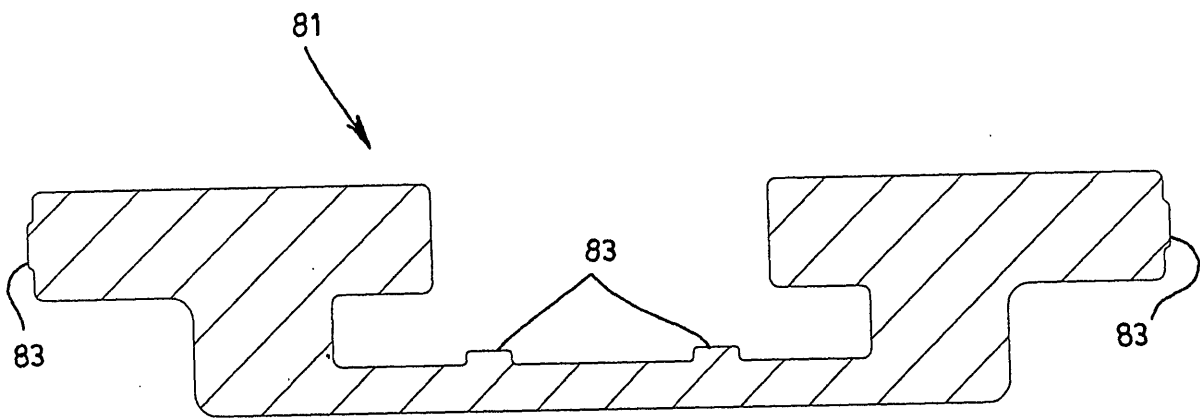


FIG. 19

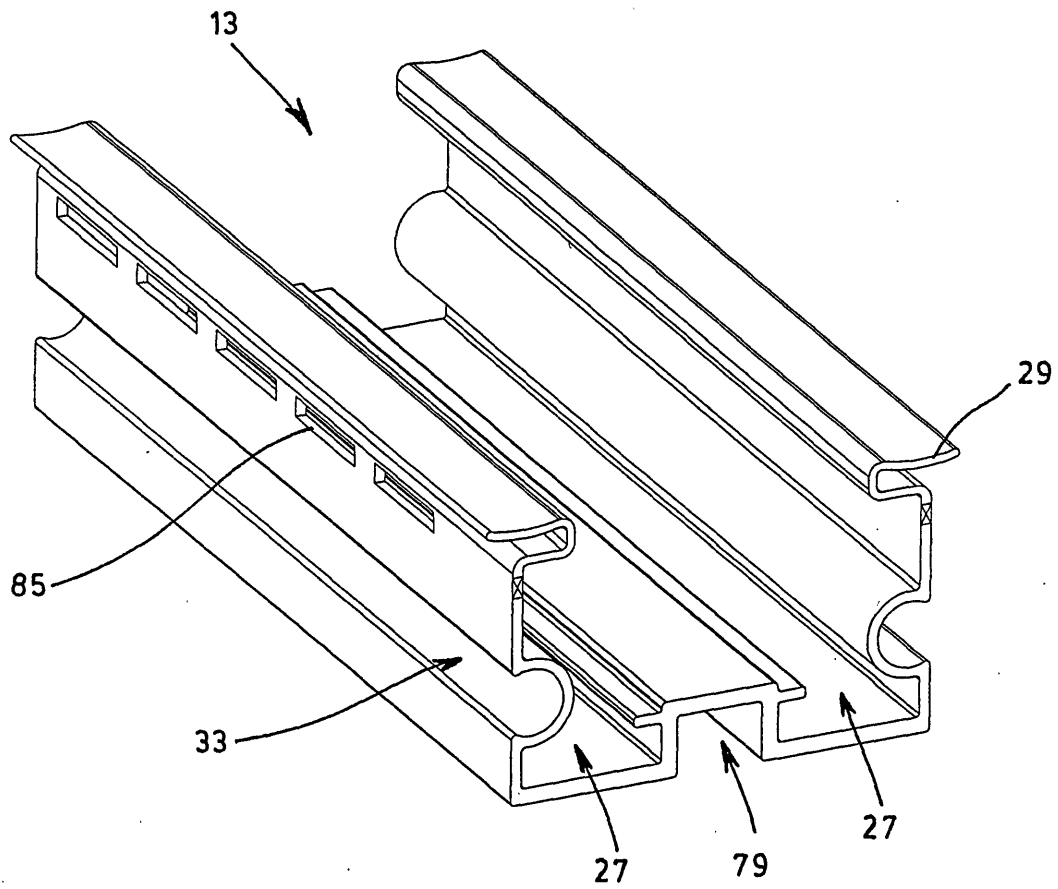


FIG. 20

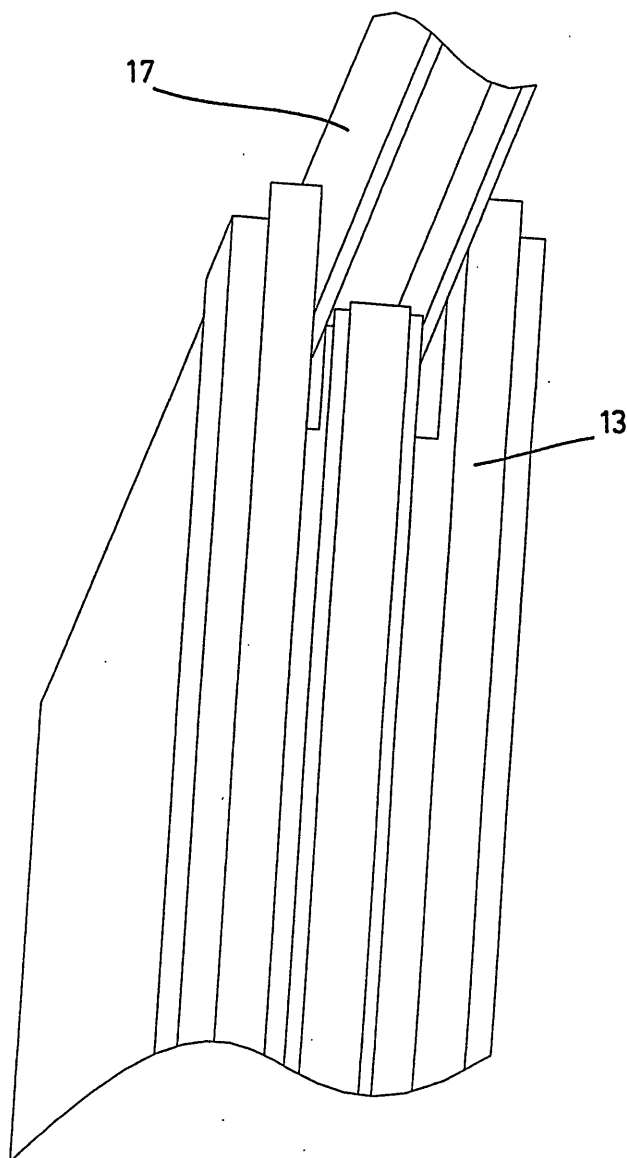


FIG. 21

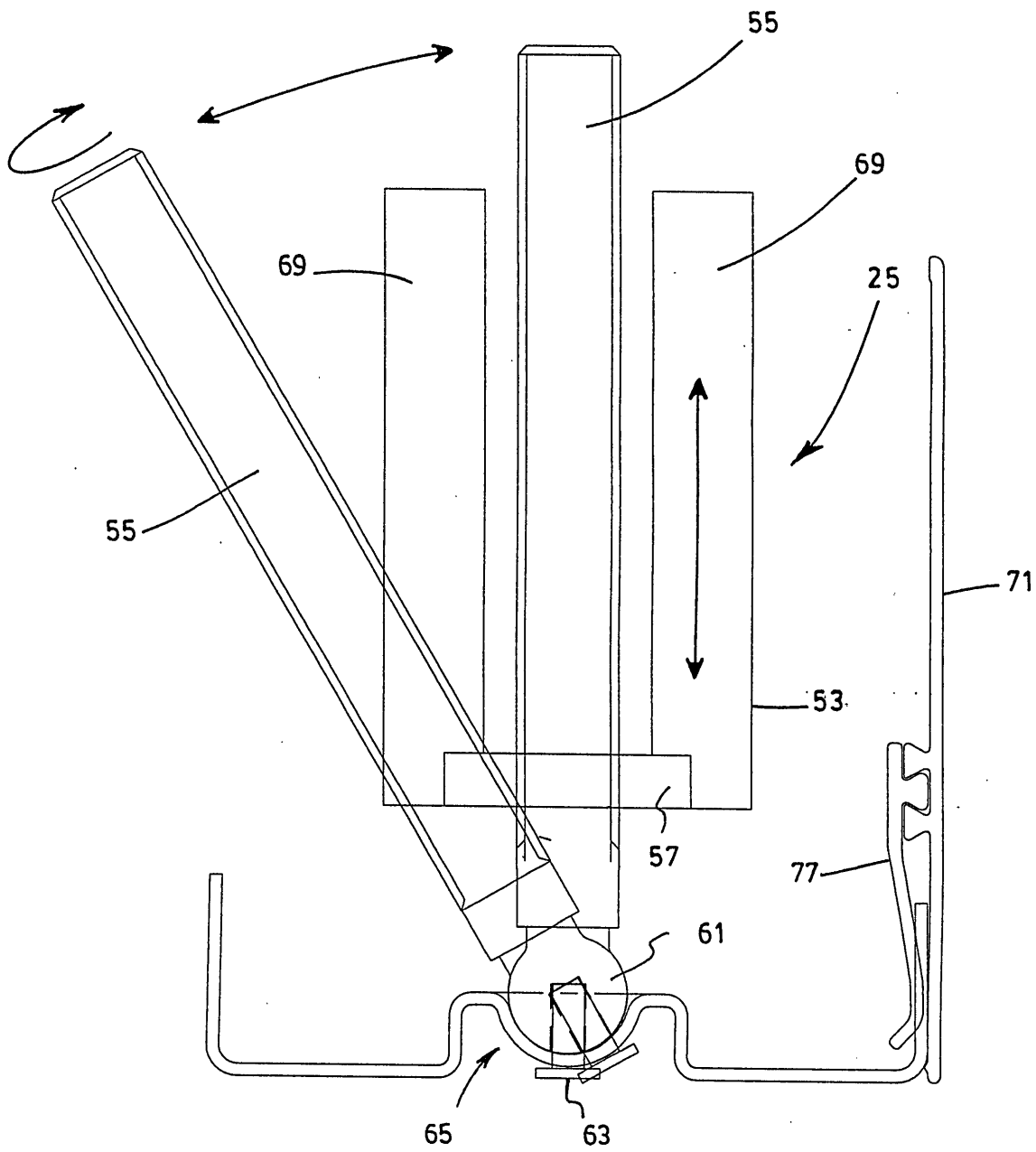


FIG. 23

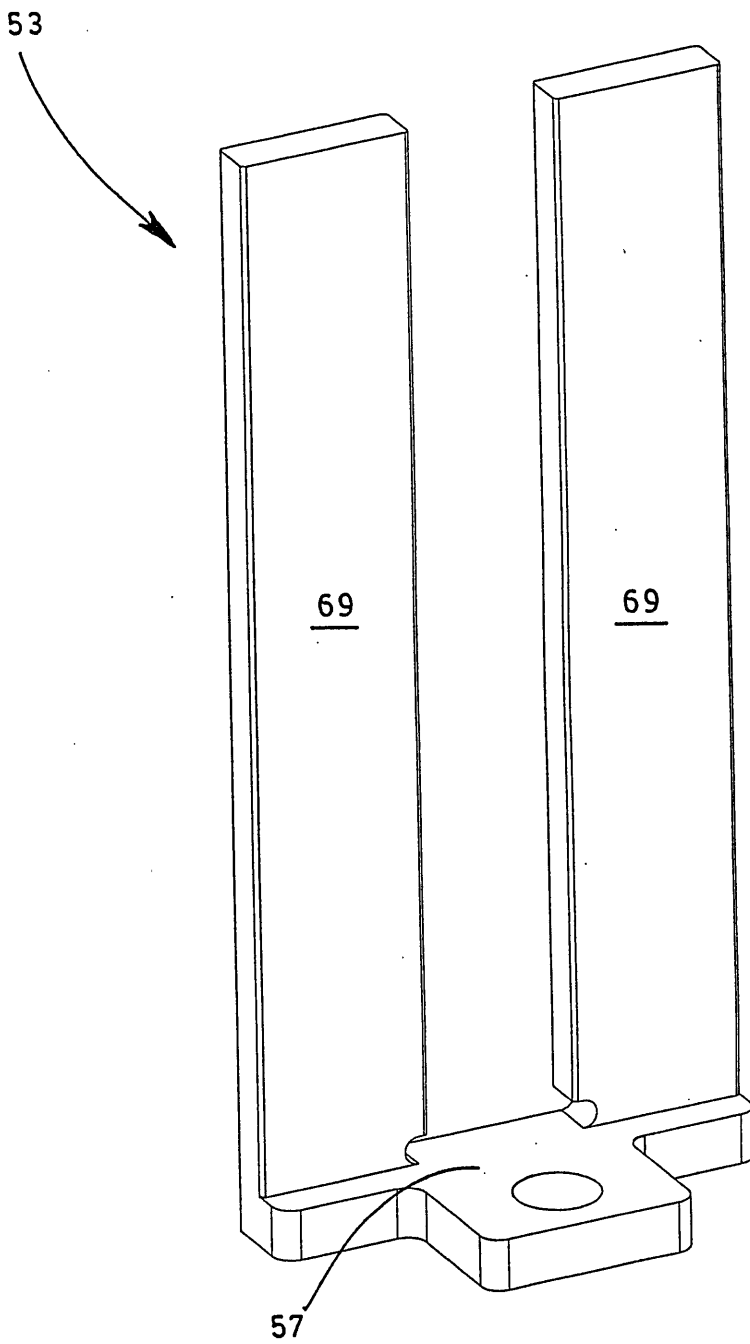


FIG. 24

10027572 .022202

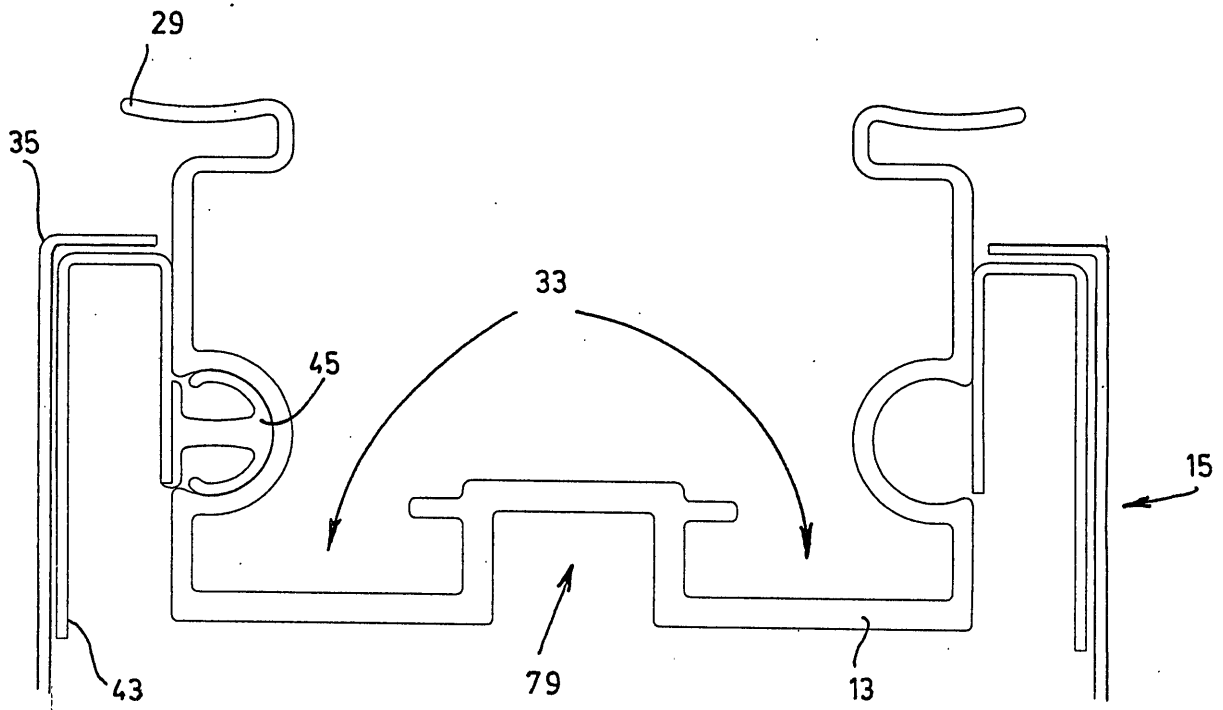


FIG. 25

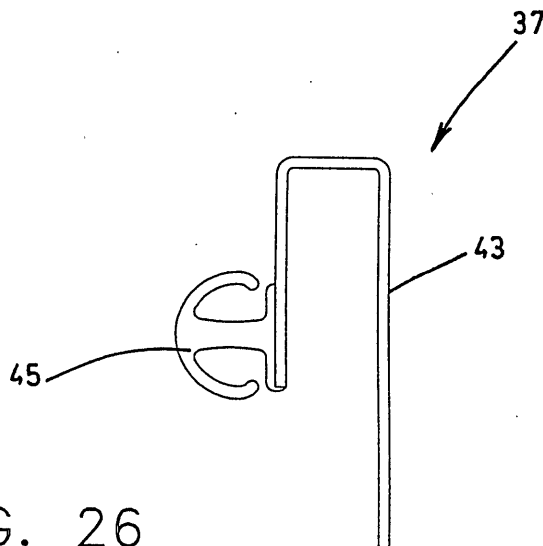


FIG. 26

10027872 . 032202

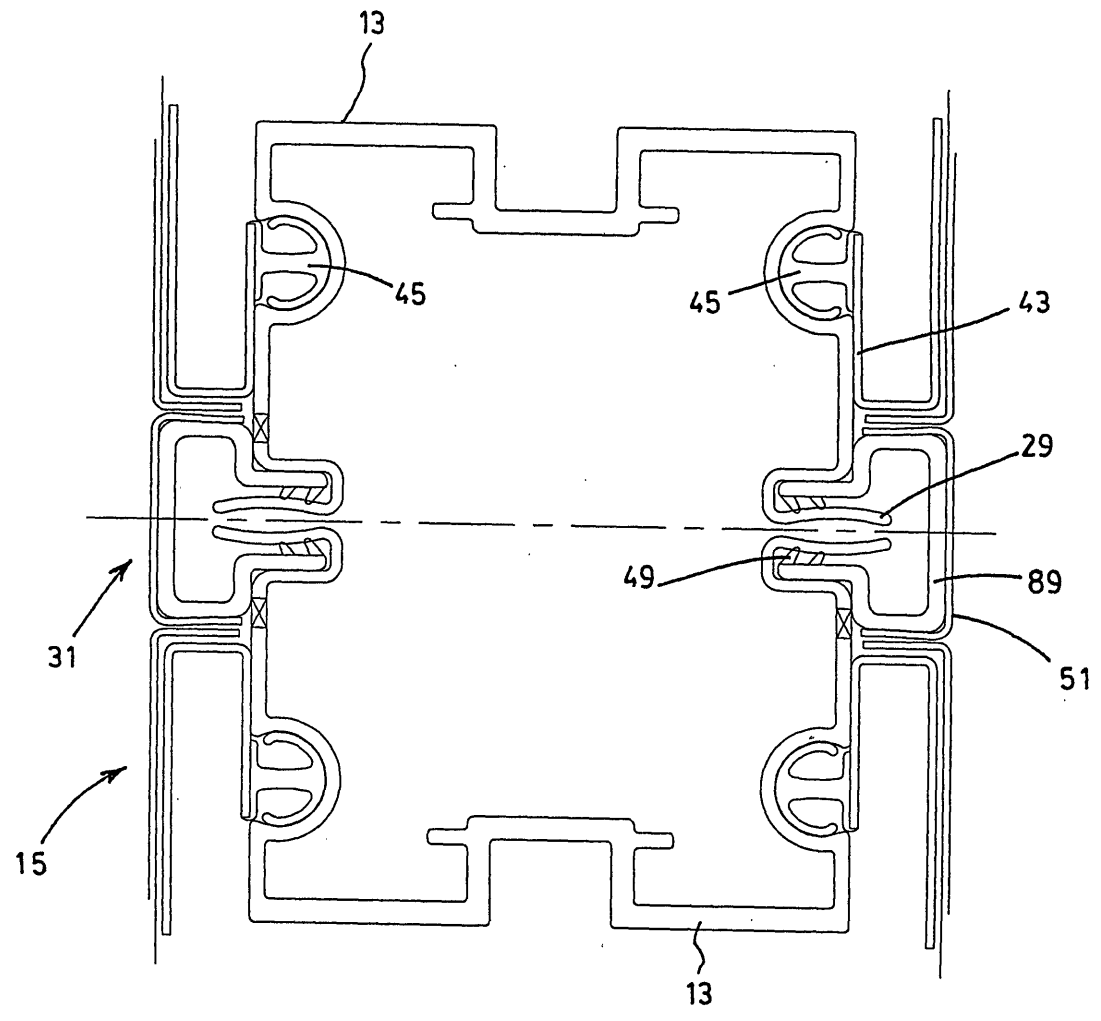


FIG. 27

10027872 .032902

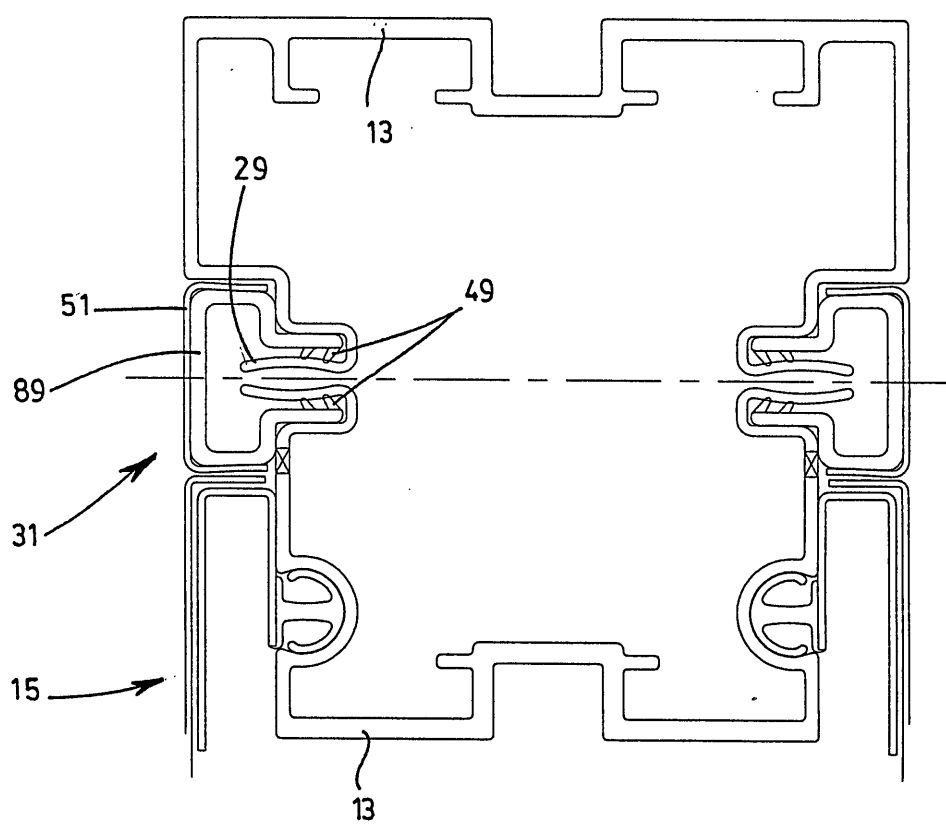


FIG. 28

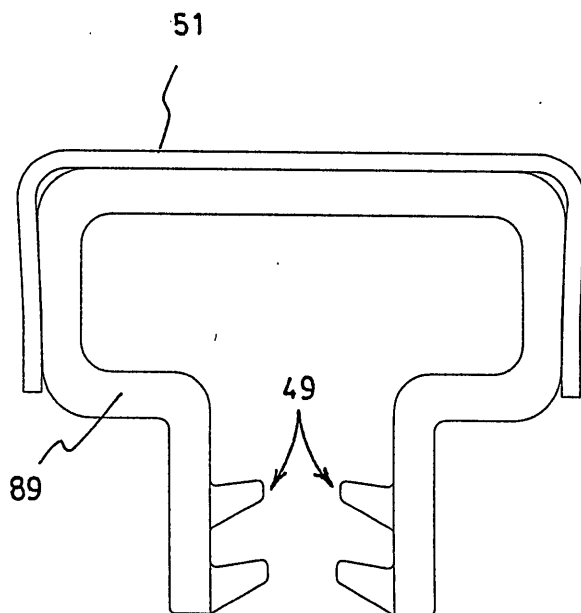
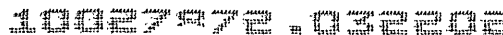


FIG. 29

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190
Title: MOVEABLE, MOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 25 of 60

10027872 032202

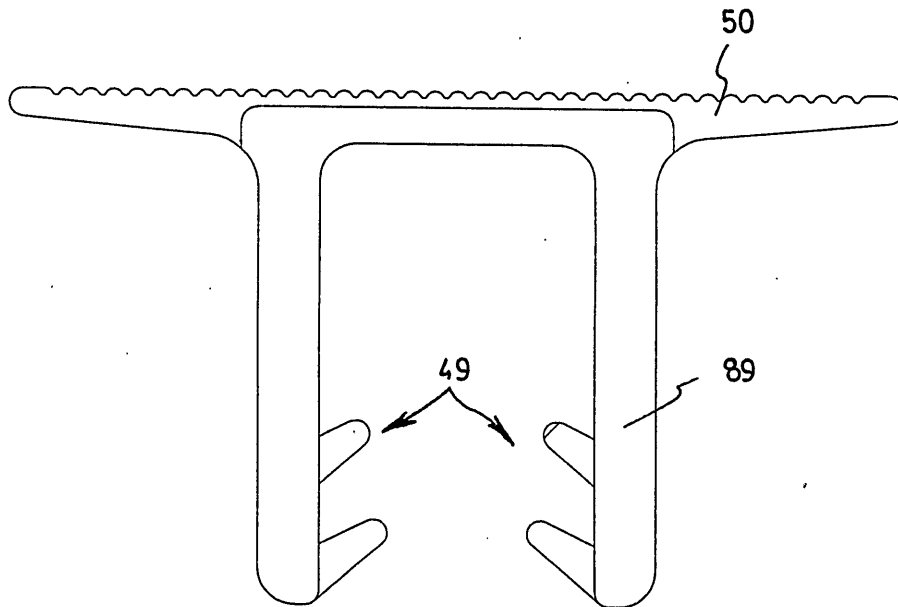


FIG. 30

100278 701 000000

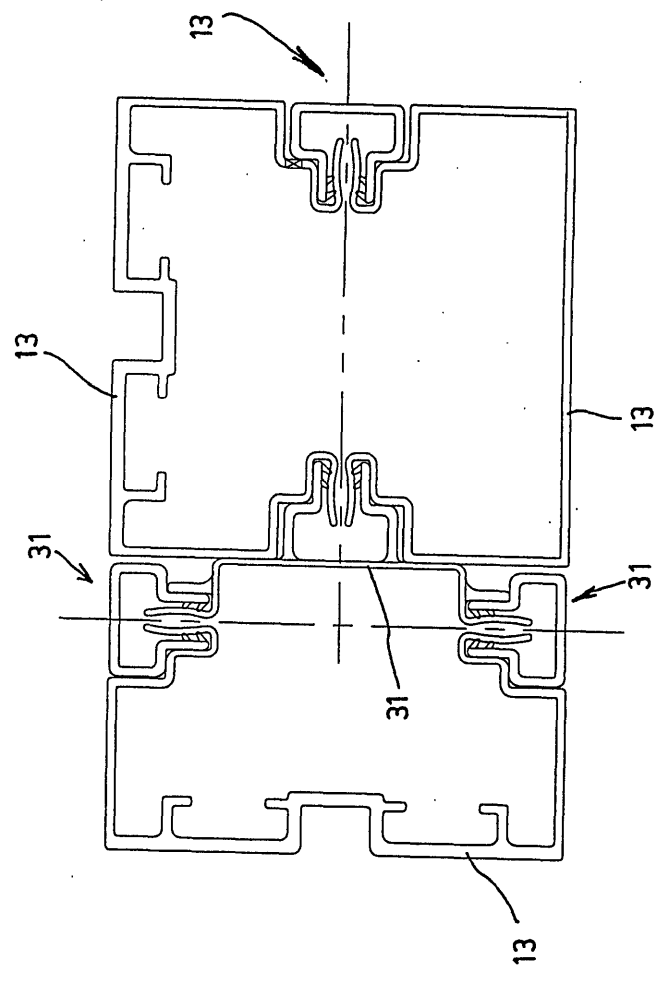


FIG. 31

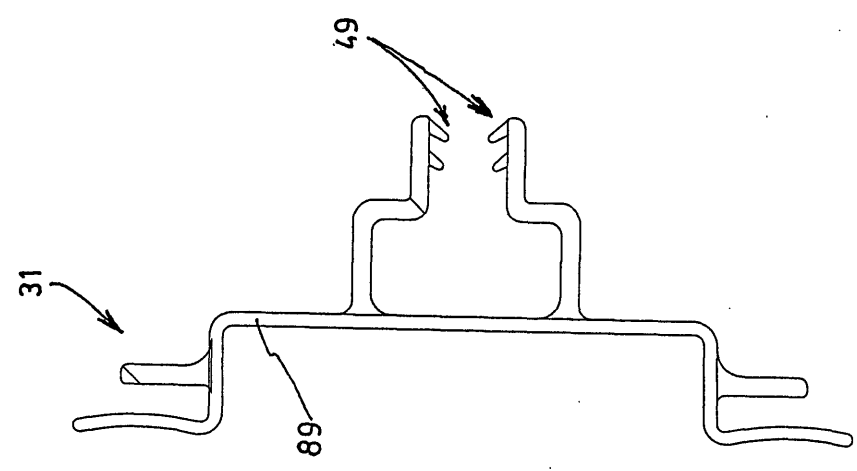


FIG. 32

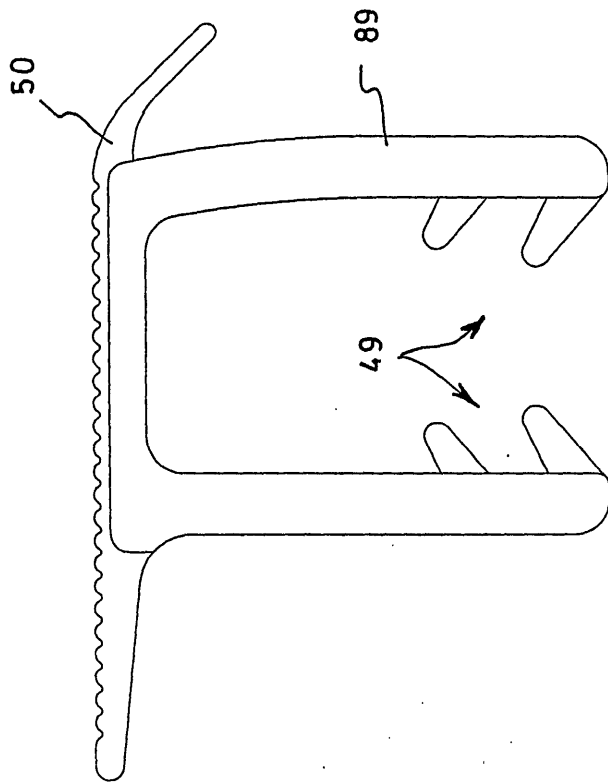
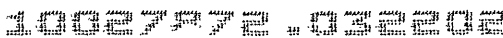


FIG. 35

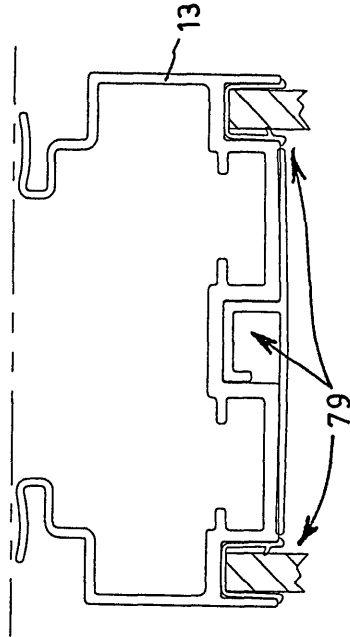
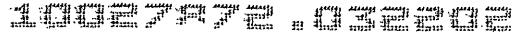


FIG. 38

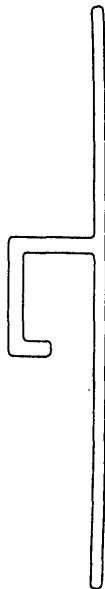


FIG. 39

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 00US01
Title: MOVE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/021872
Sheet 32 of 60

1002792 1002792

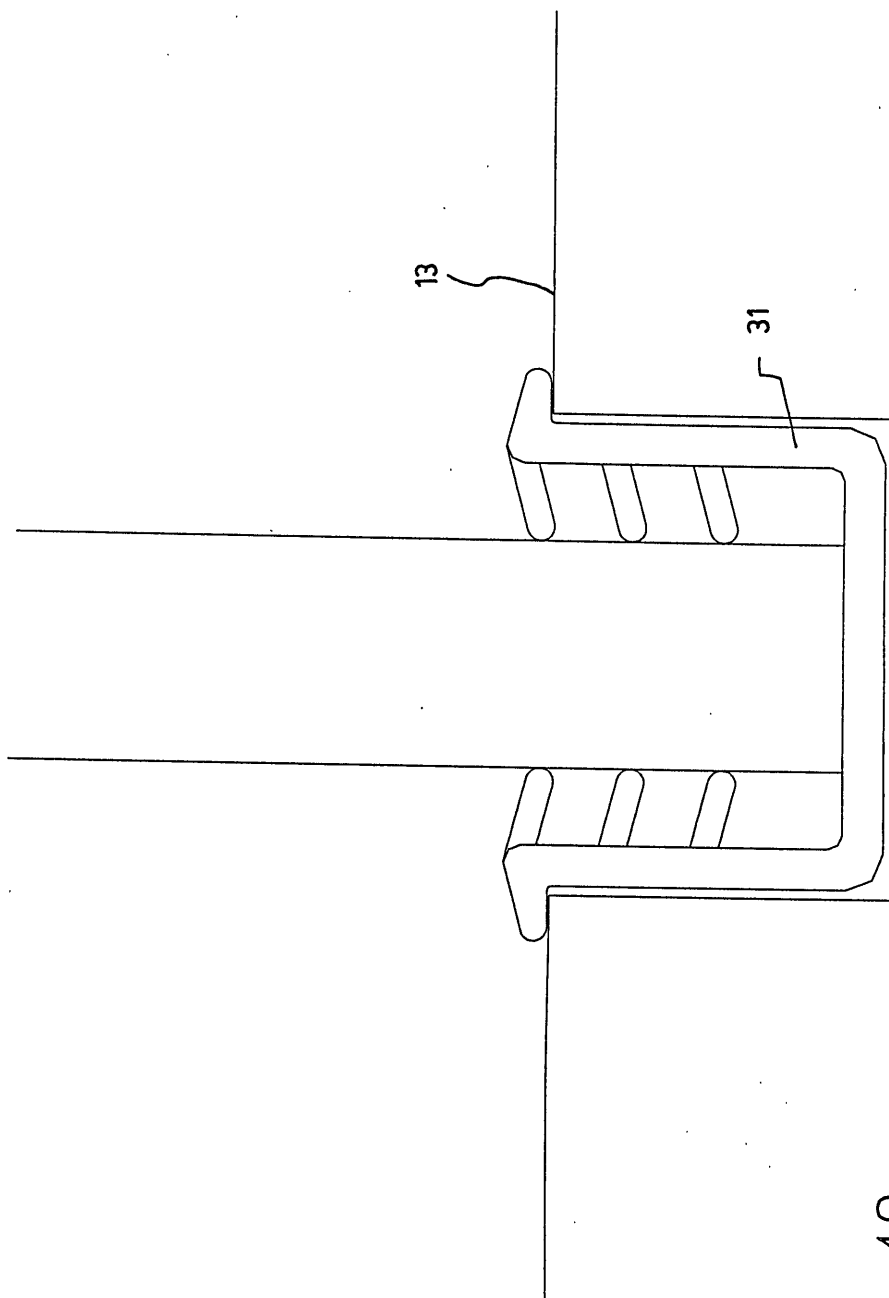


FIG. 40

Inventor: VON HOVNINGEN HUENE, et al.
Docket No.: 9/ US01
Title: MOVEA AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027s/2
Sheet 35 of 60

10027572 03 00 00 00

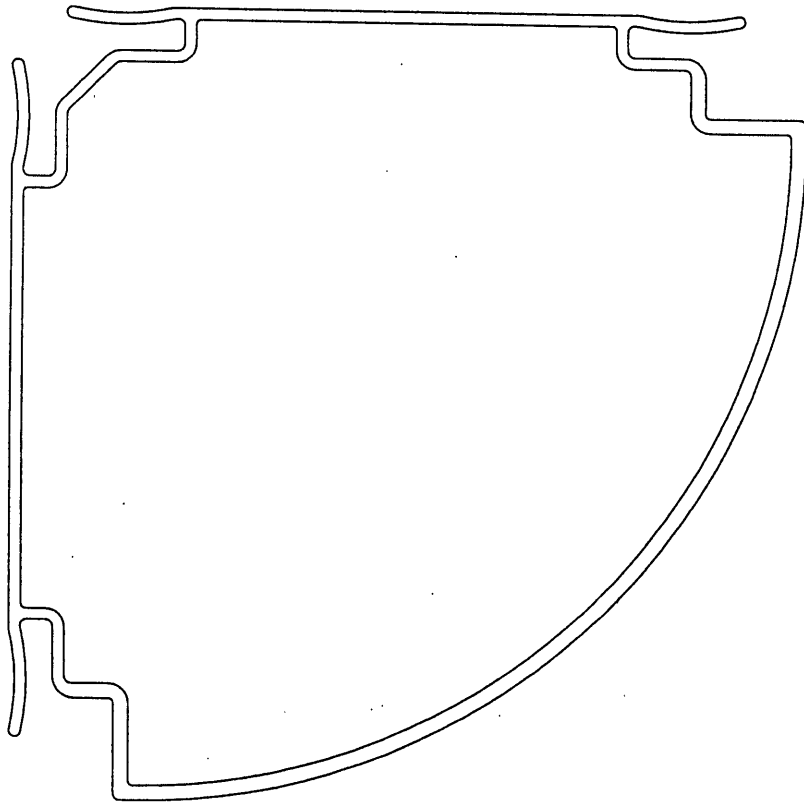


FIG. 43

11/28/2007 10:43:00 AM

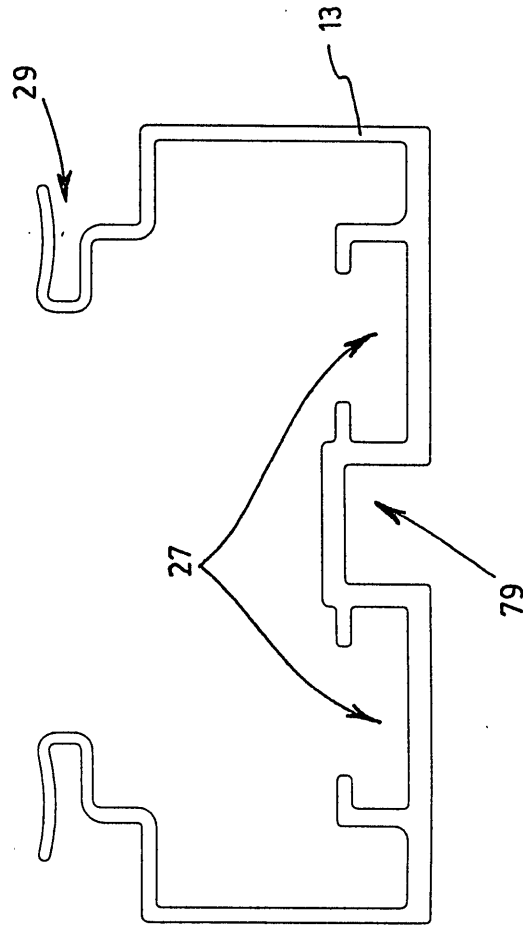


FIG. 46

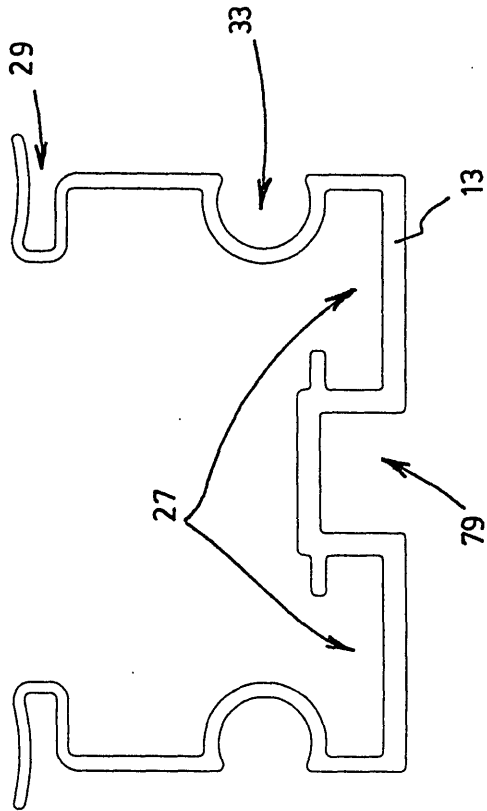
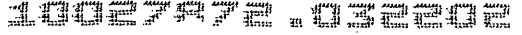


FIG. 48

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.1/01
Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/02787
Sheet 41 of 60

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

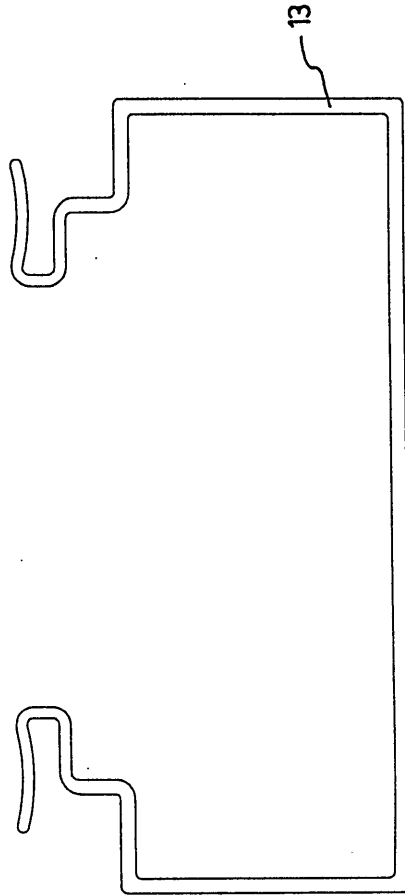


FIG. 49

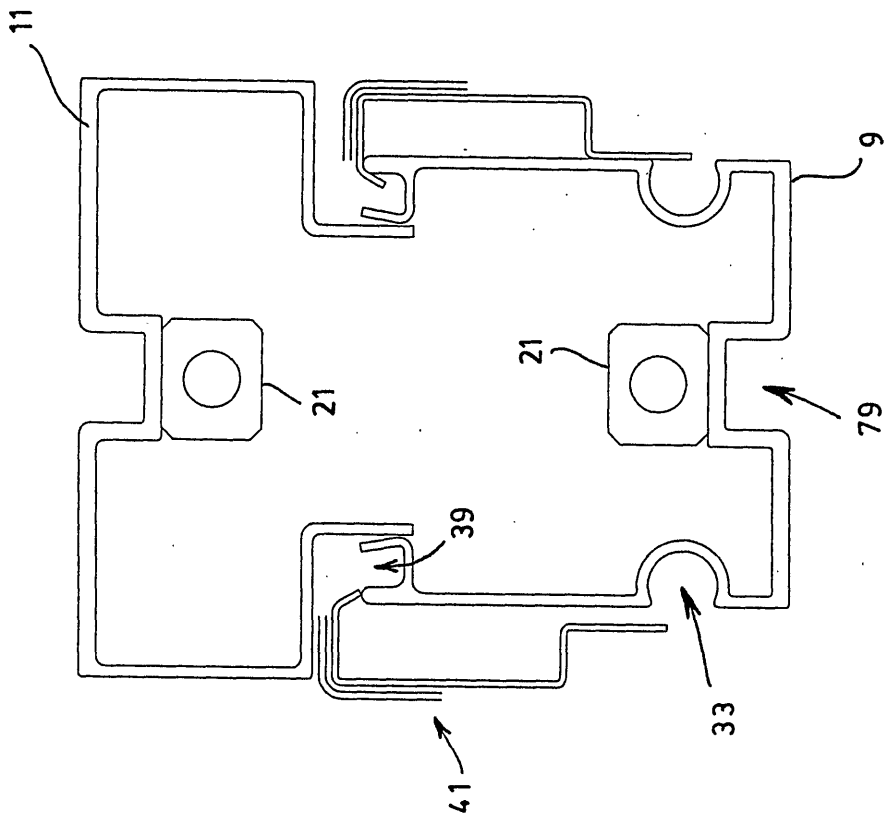


FIG. 52

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680 01
Title: MOVEABLE DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 47 of 60

10027872 032202

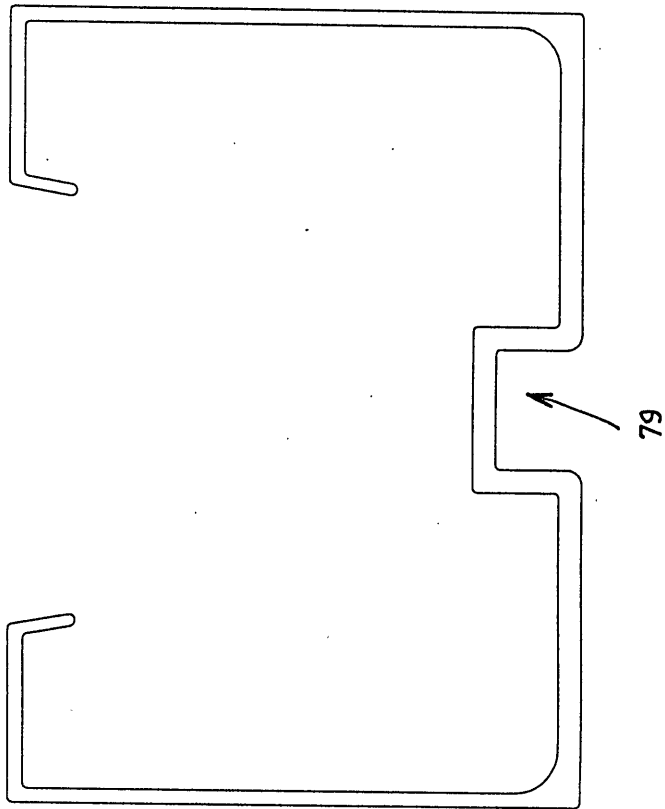


FIG. 55

Inventor: VON HOYNTM GEN HUENE, et al.
Docket No.: 9680.19
Title: MOVEABLE A EMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 51 of 60

4984984 # 4984984

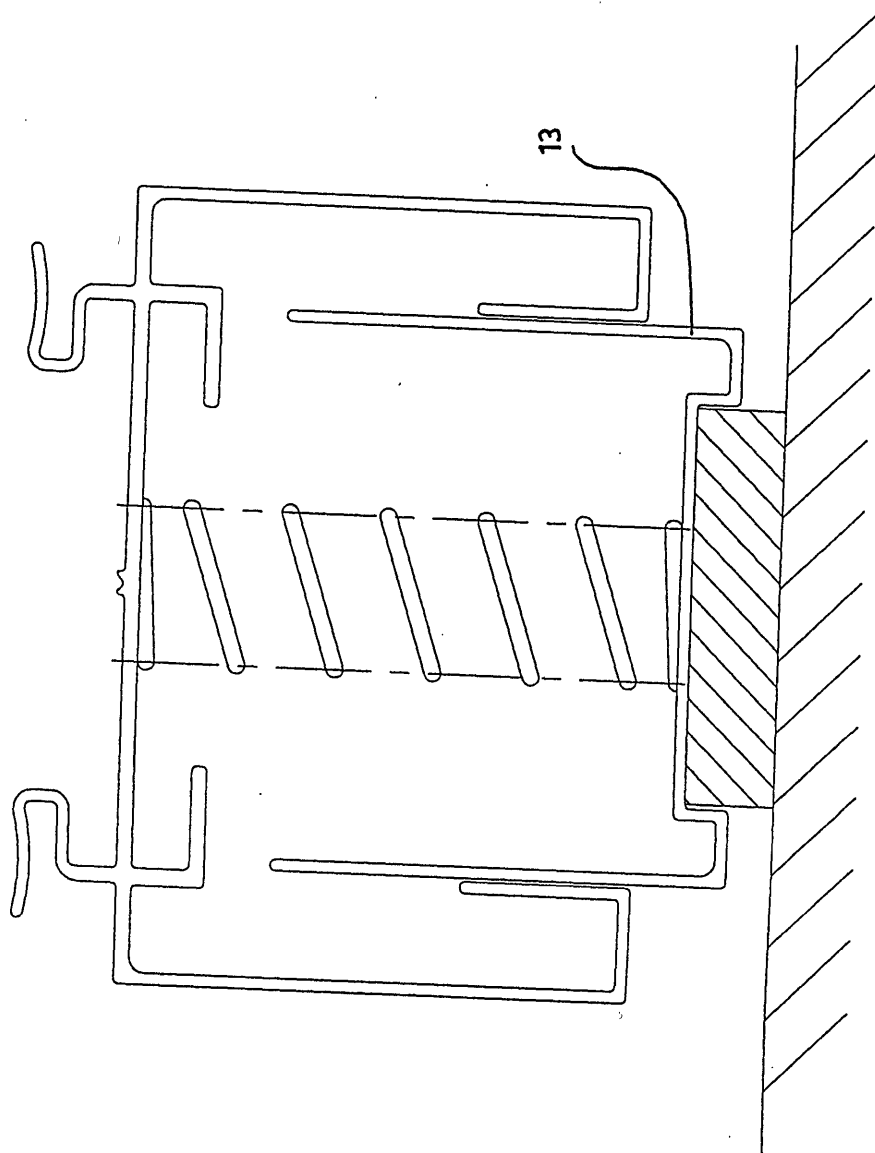


FIG. 59

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 97-000001
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/02,012
Sheet 53 of 60

10000000.000000

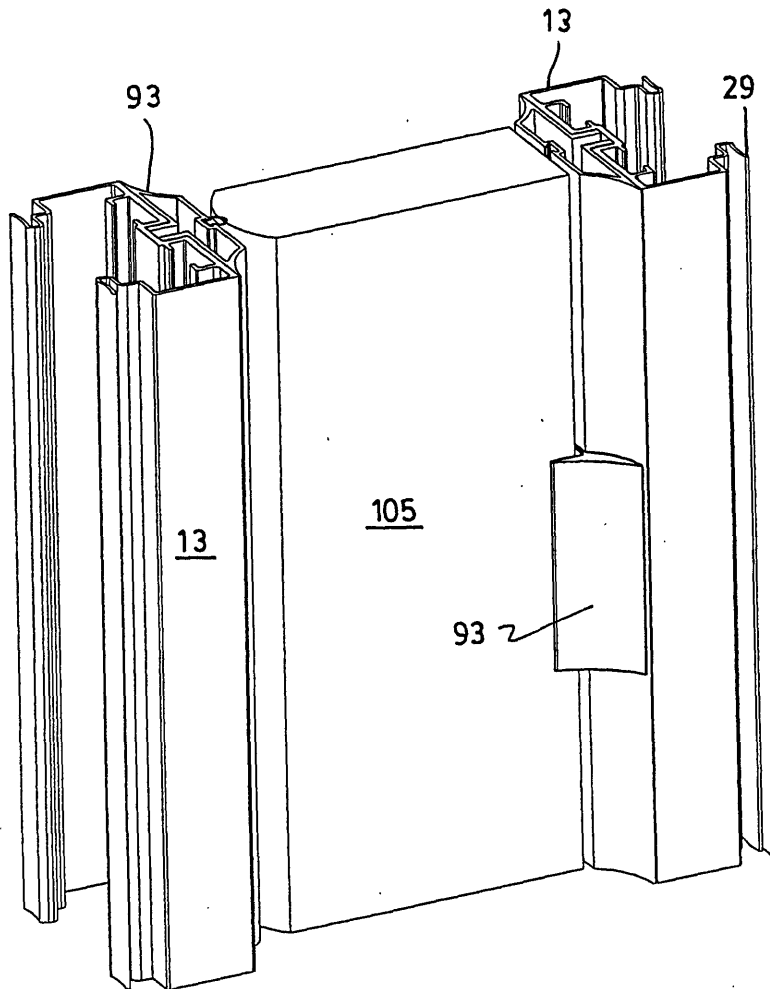


FIG. 61

Inventor: VON NINGEN HUENE, et al.
Docket No.: 5 US01
Title: MOVABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 55 of 60

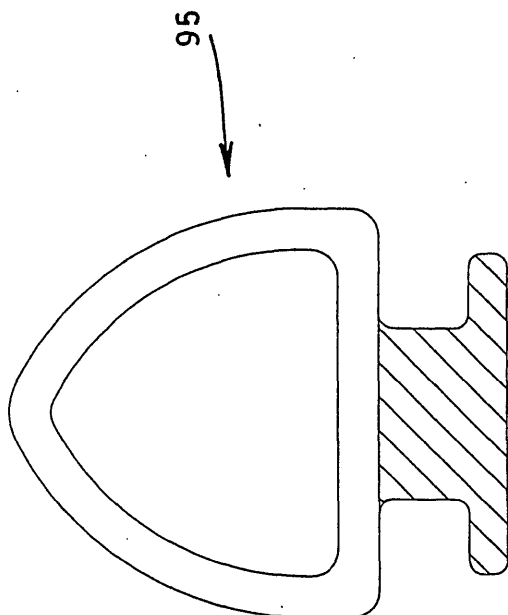


FIG. 63

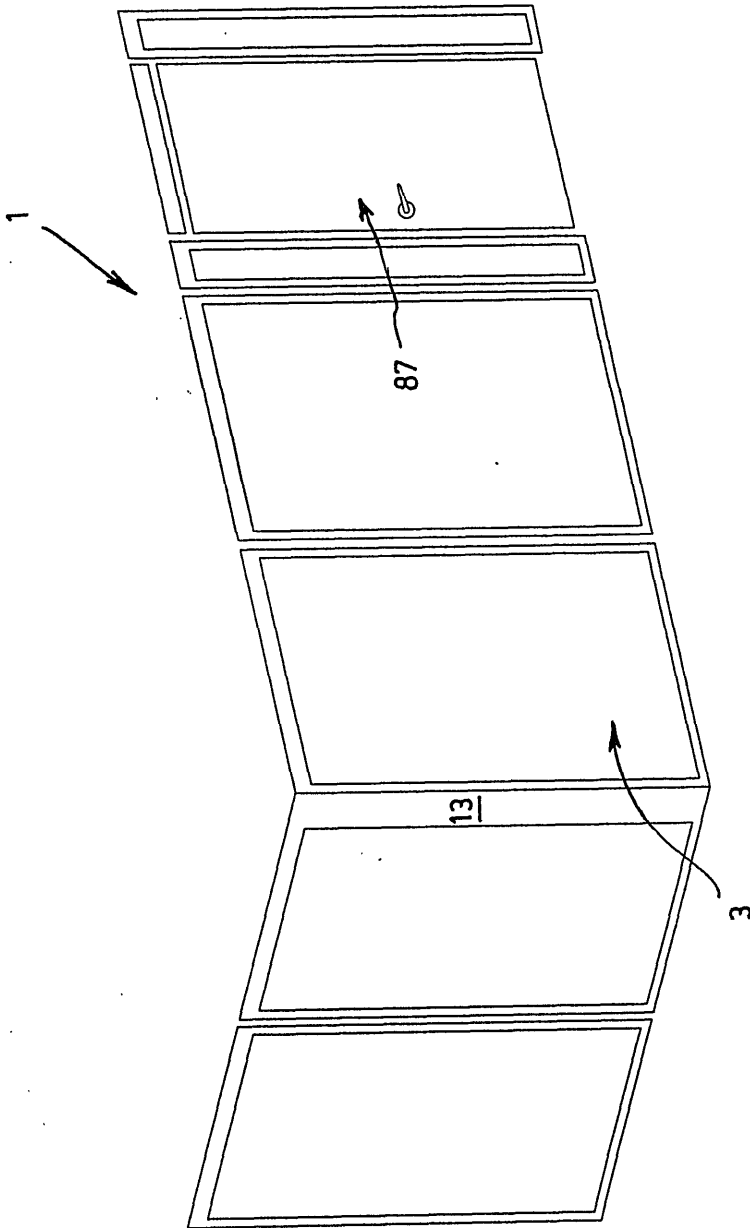


FIG. 68

23

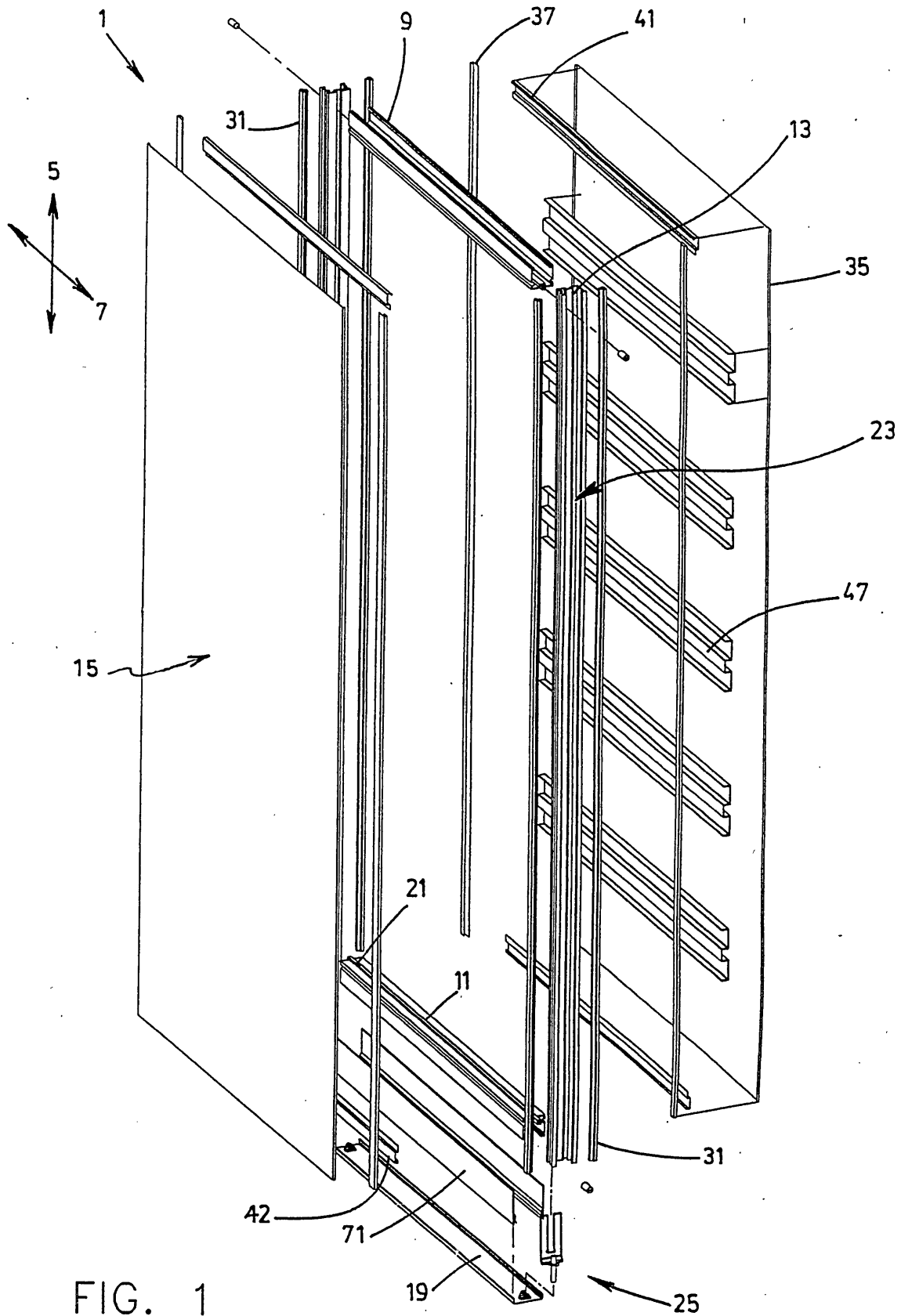
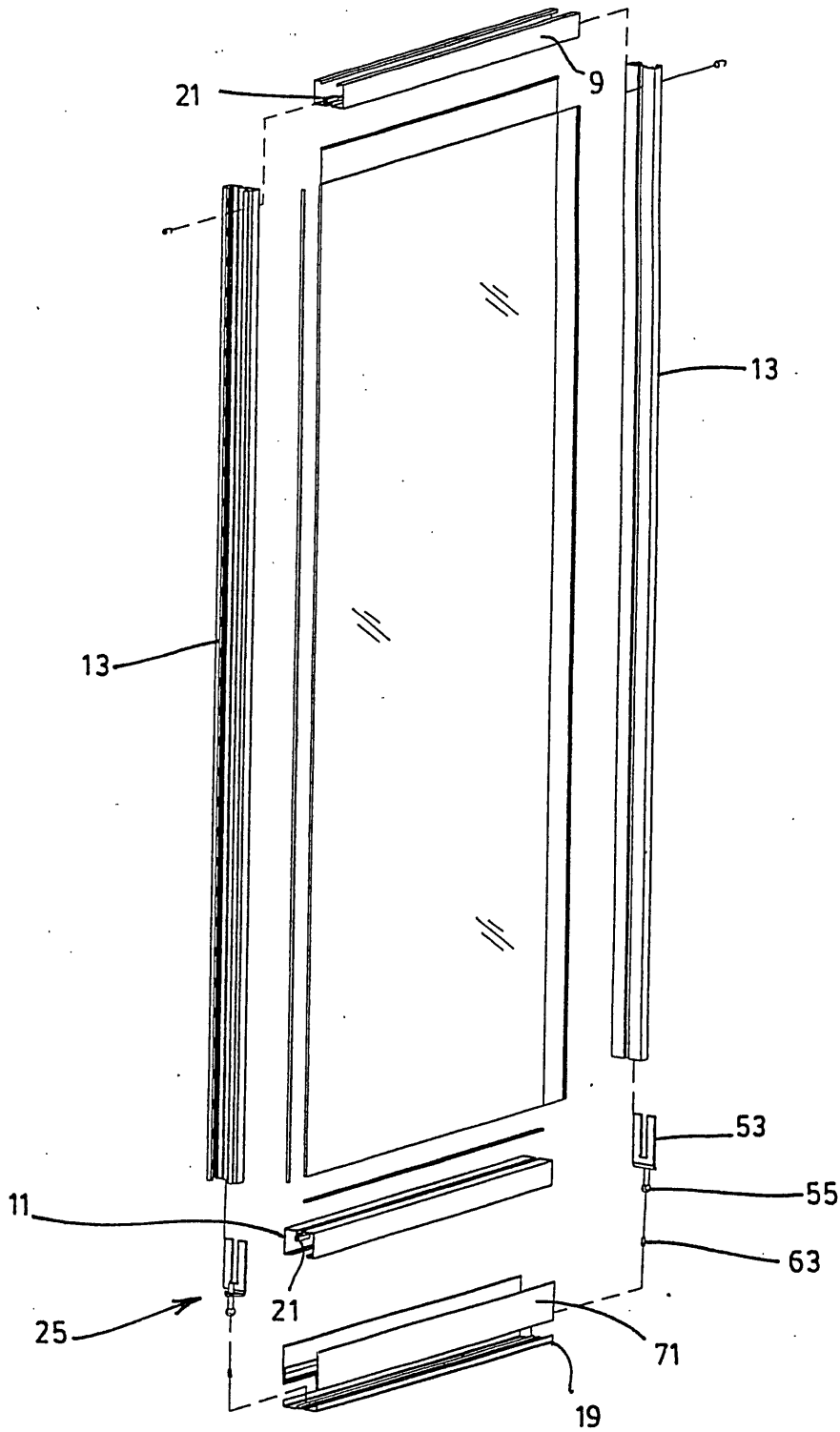


FIG. 1

PRINT OF DRAWINGS
AS ORIGINALLY FILED



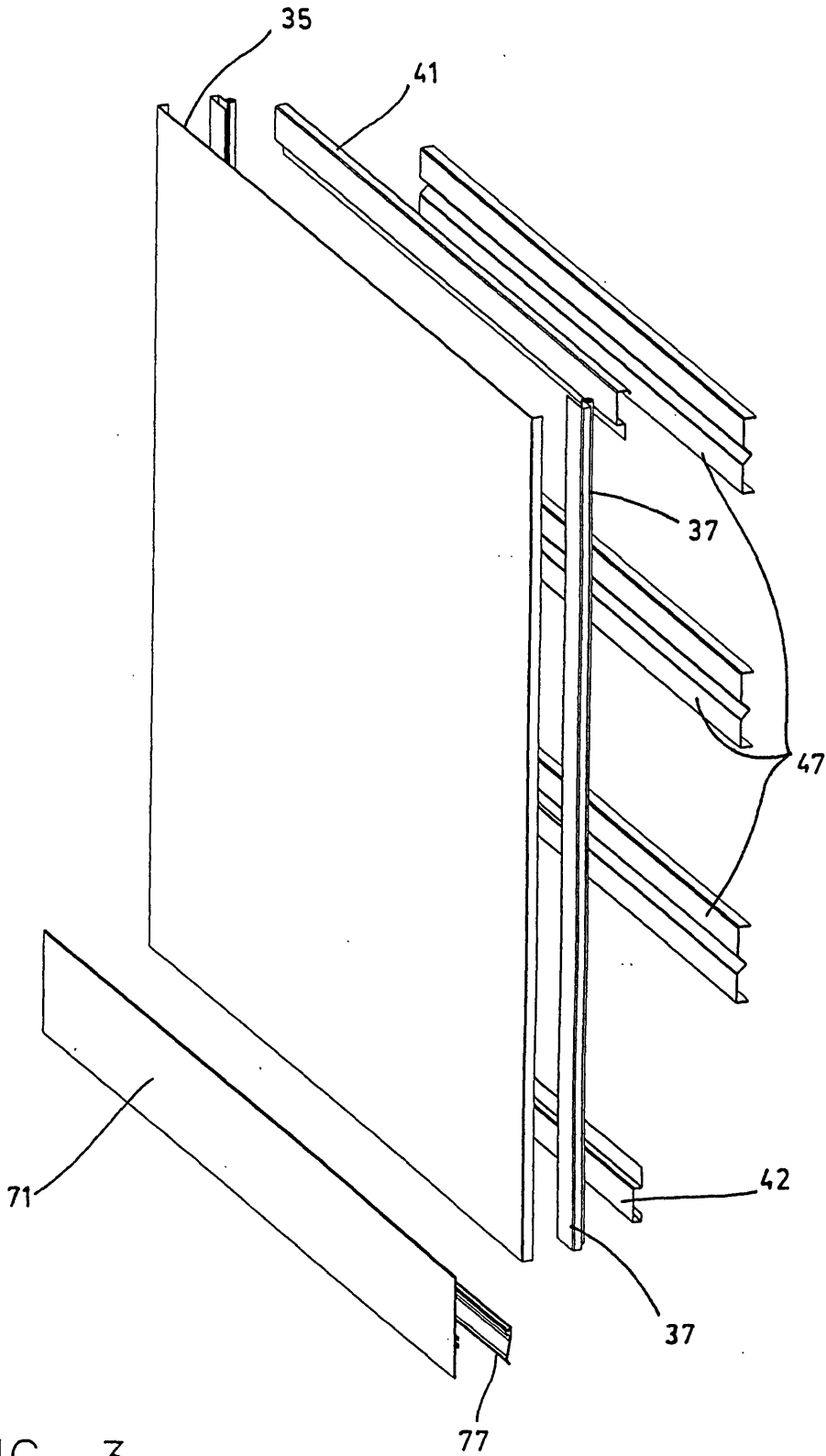


FIG. 3

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 4 of 60

10027872 . 032202

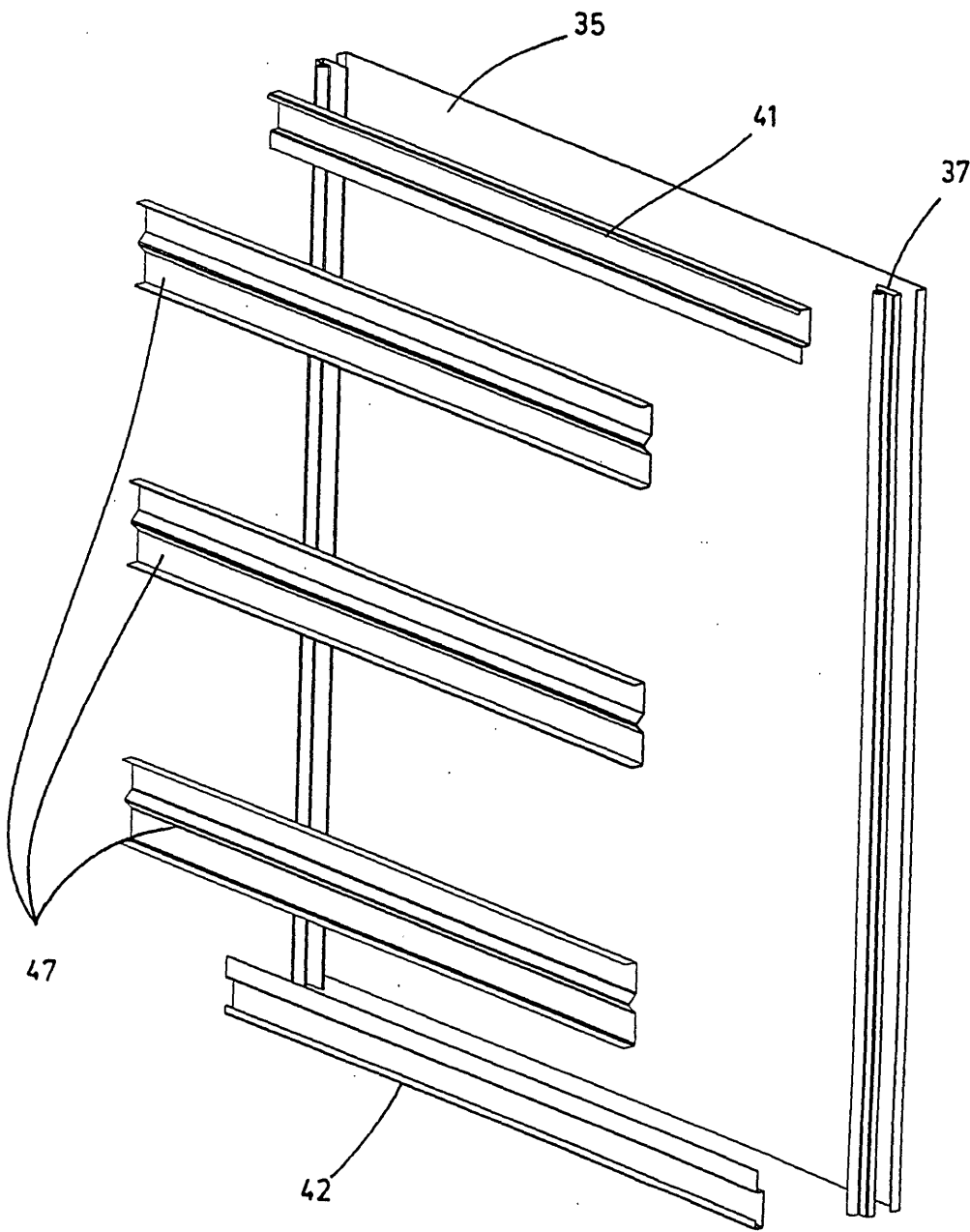


FIG. 4

PRINT OF DRAWINGS
AS ORIGINALLY FILED

FIG. 5

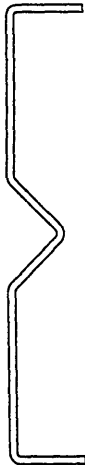
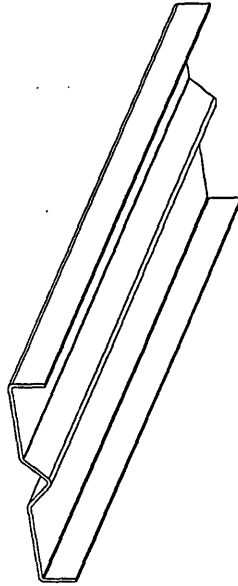


FIG. 6

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 6 of 60

10027872 . 032202

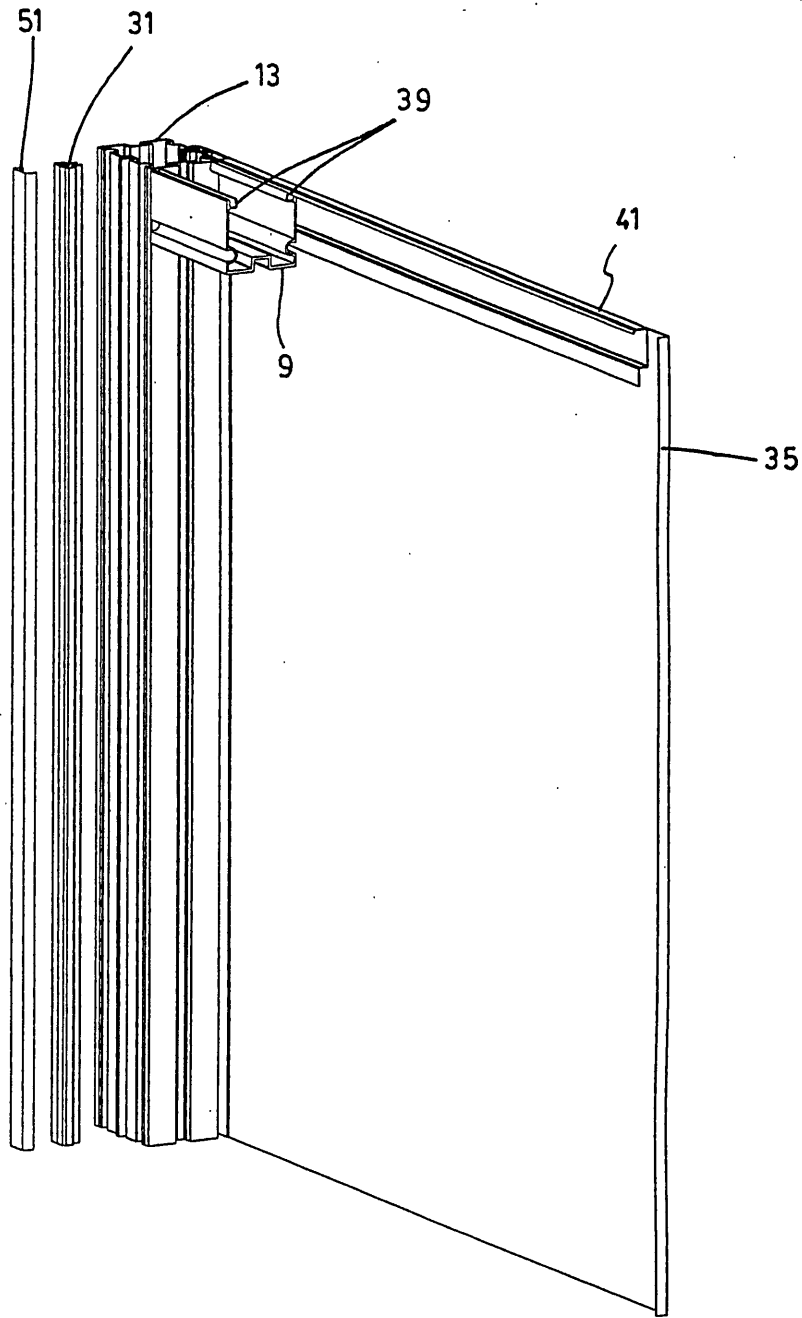


FIG. 7

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872 032202

FIG. 8

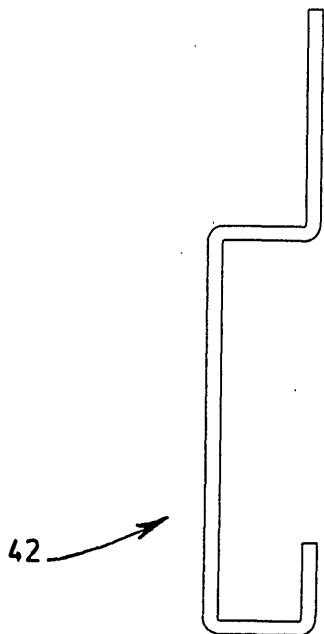
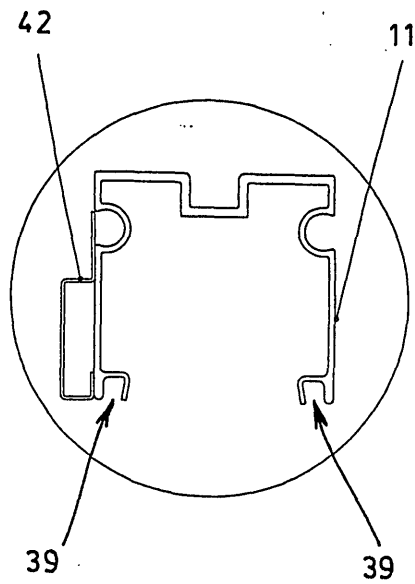


FIG. 9

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872 . 032202

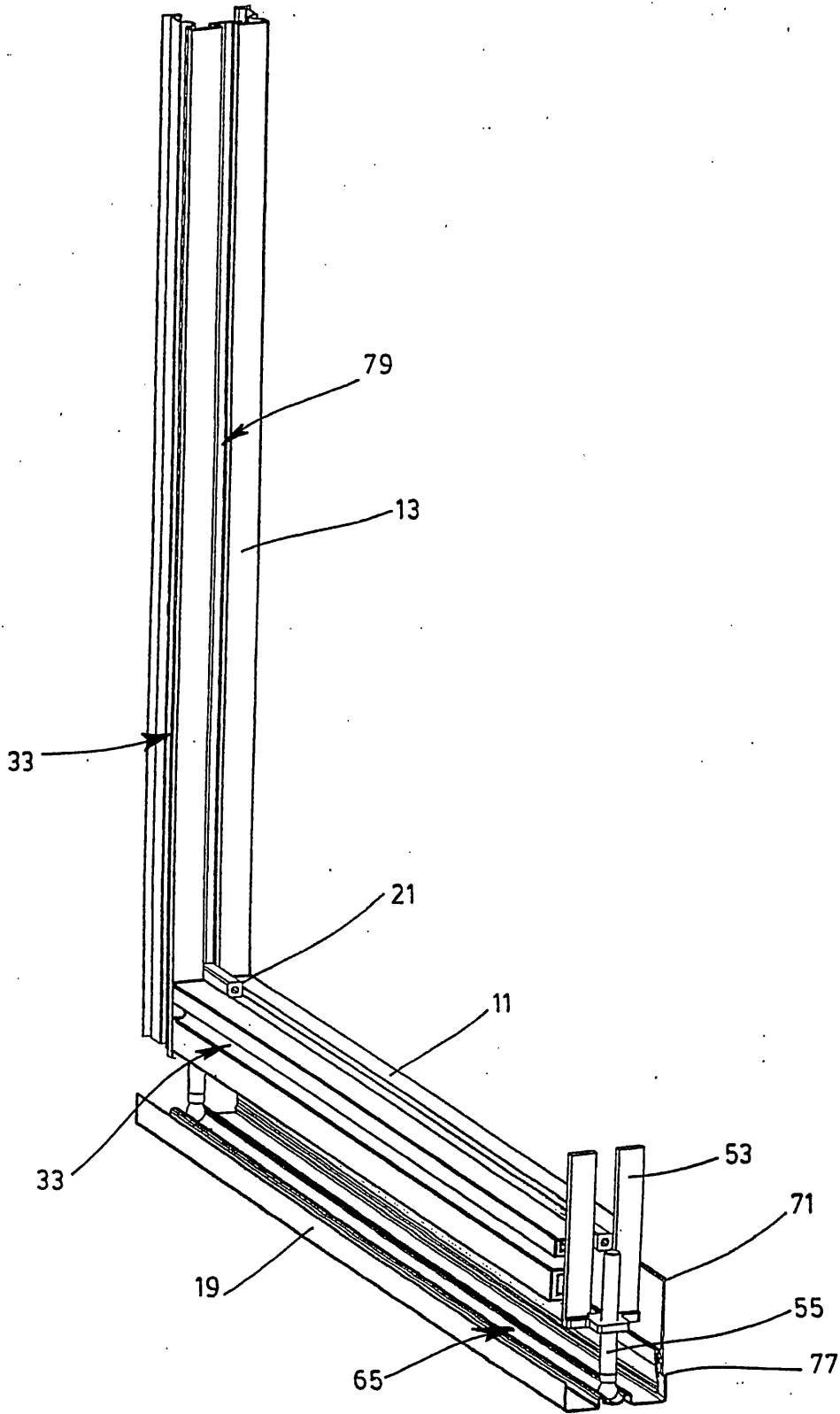


FIG. 10

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872 . 032202

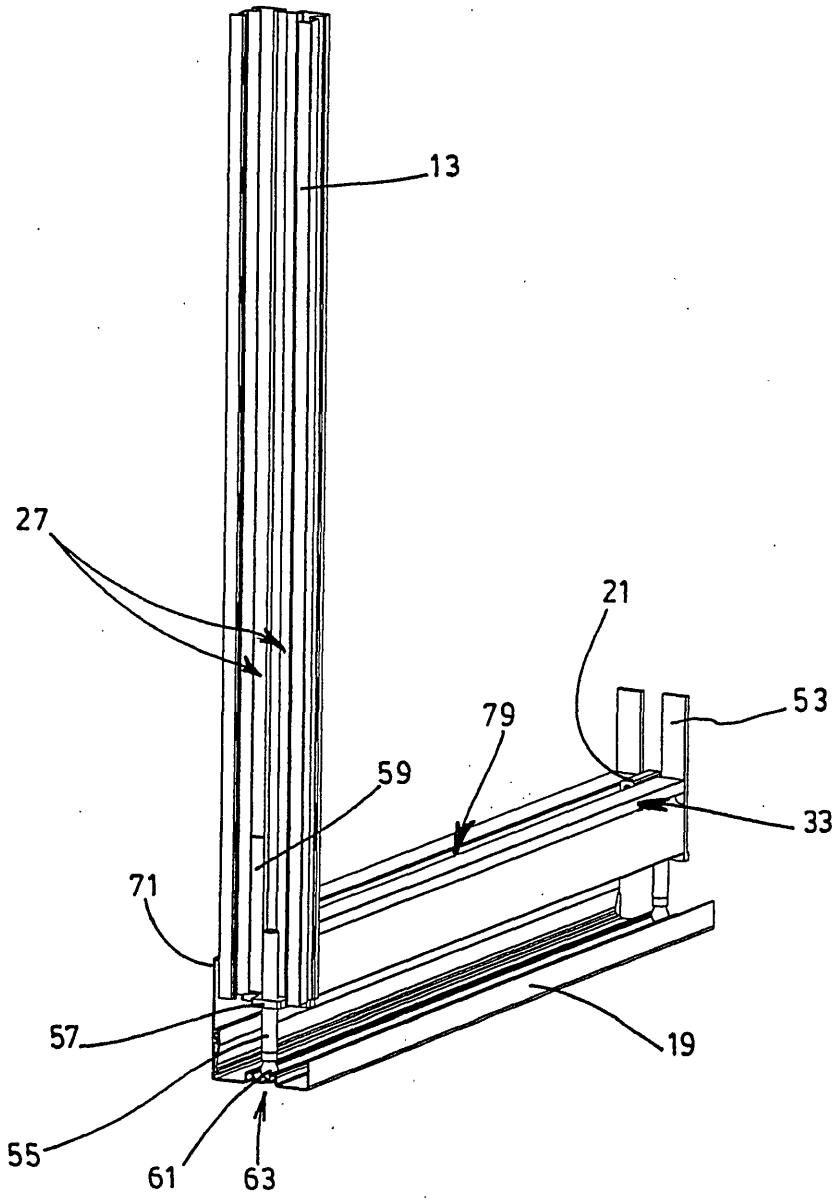


FIG. 11

PRINT OF DRAWINGS
AS ORIGINALLY FILED

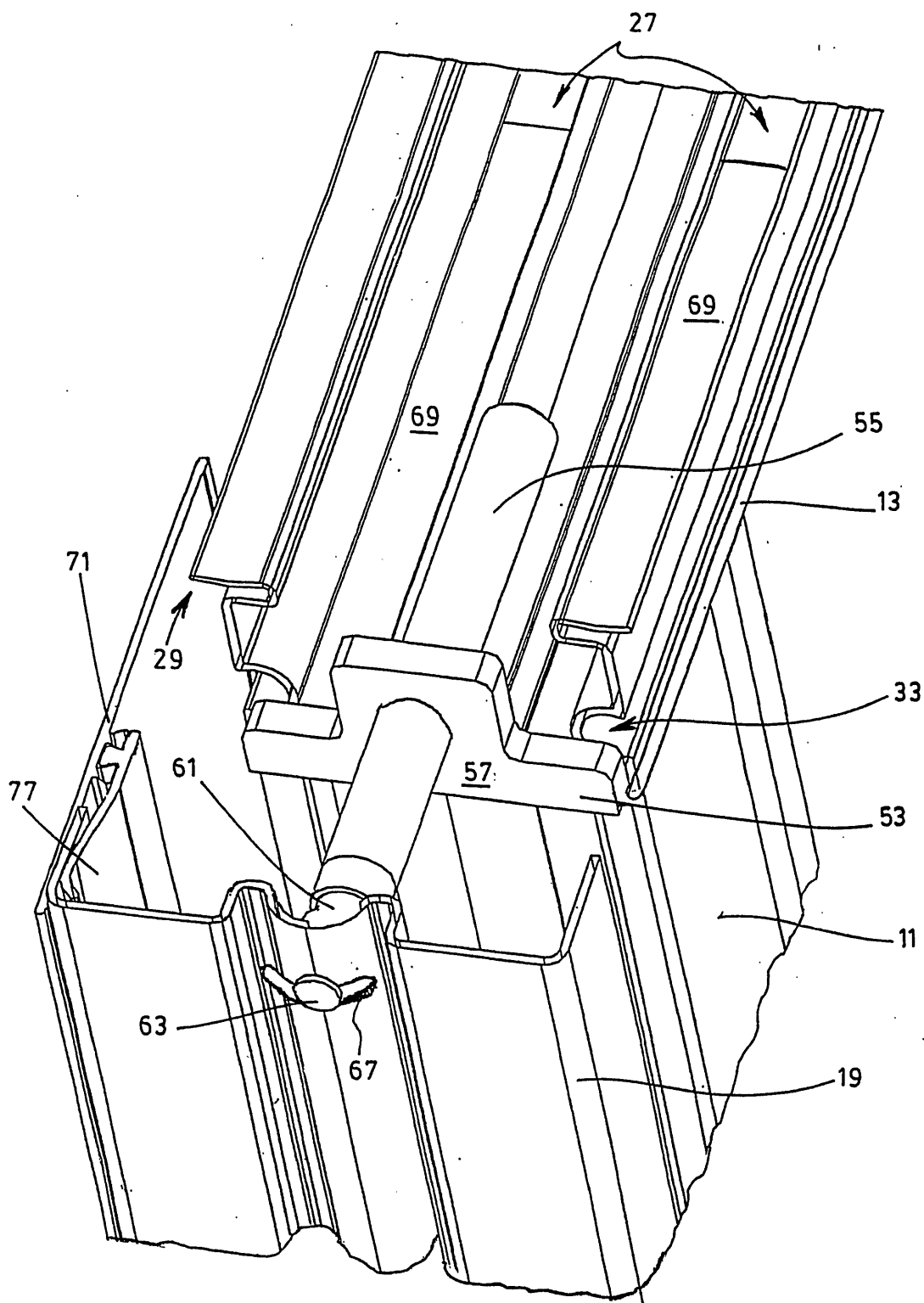


FIG. 12

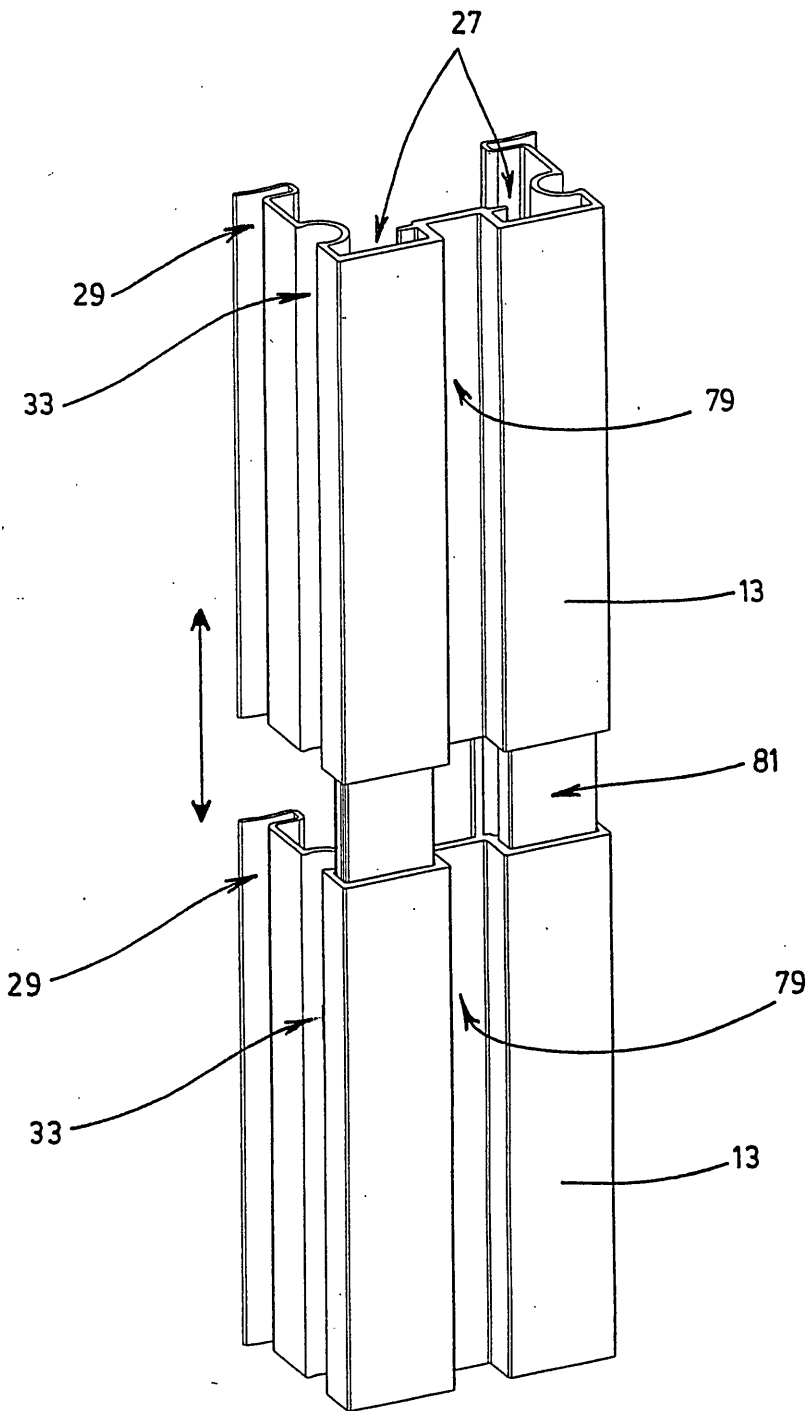


FIG. 13

PRINT OF DRAWINGS
AS ORIGINALLY FILED

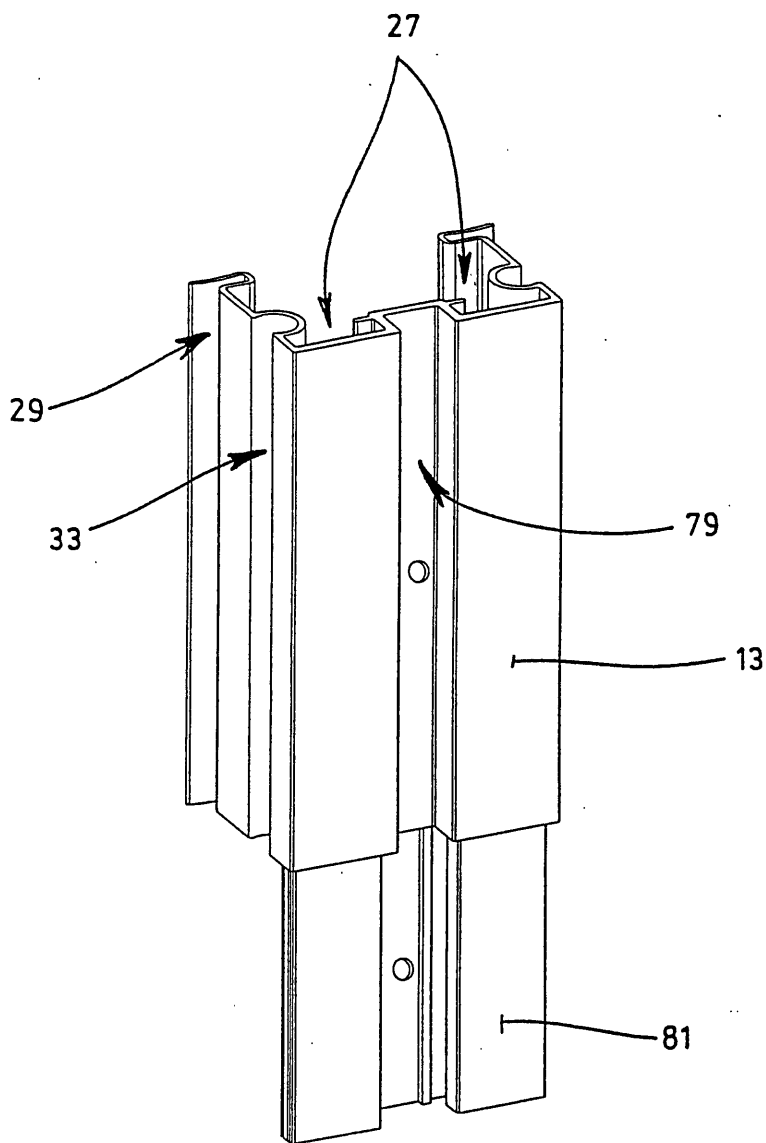


FIG. 14

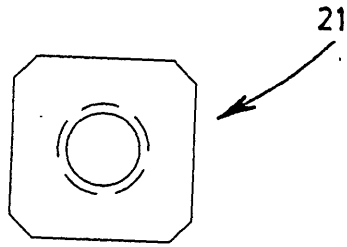


FIG. 15

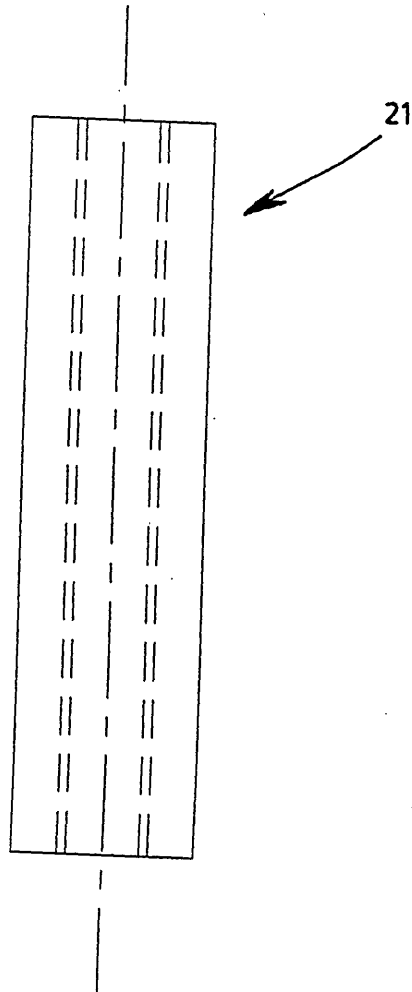


FIG. 16

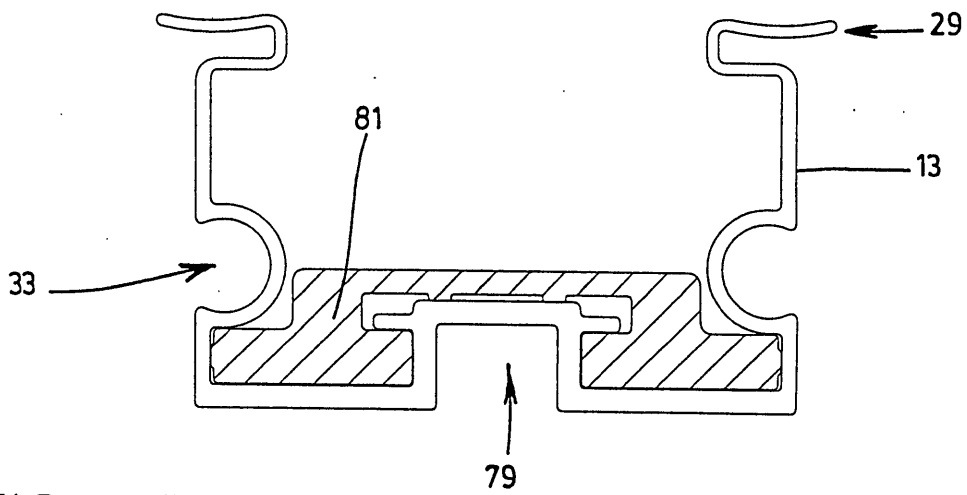


FIG. 17

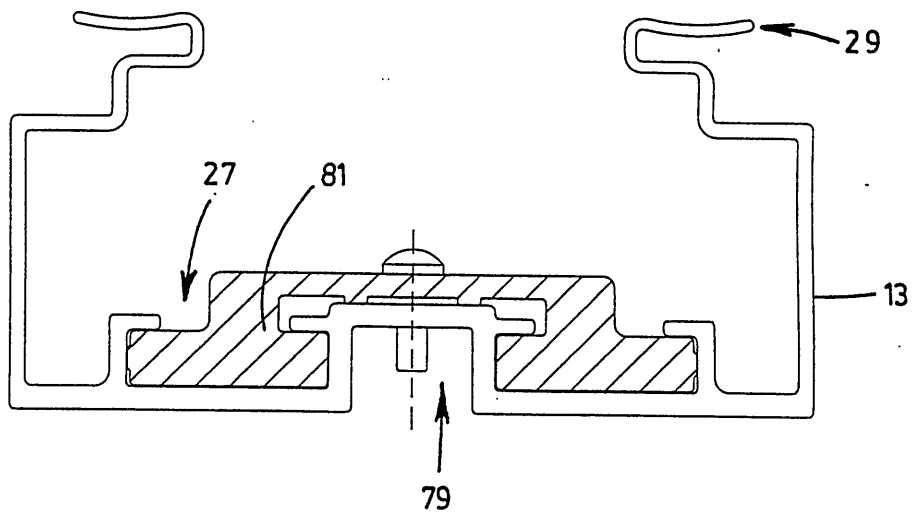


FIG. 18

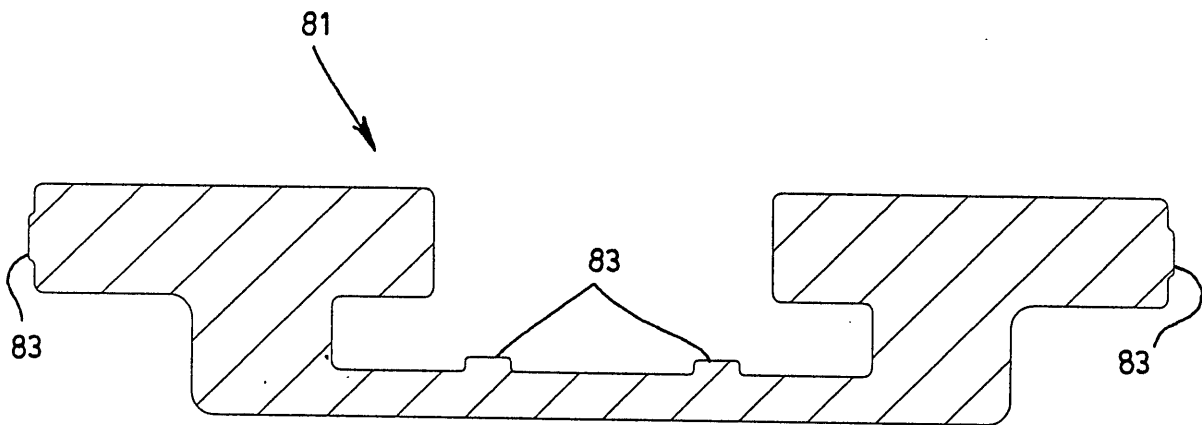


FIG. 19

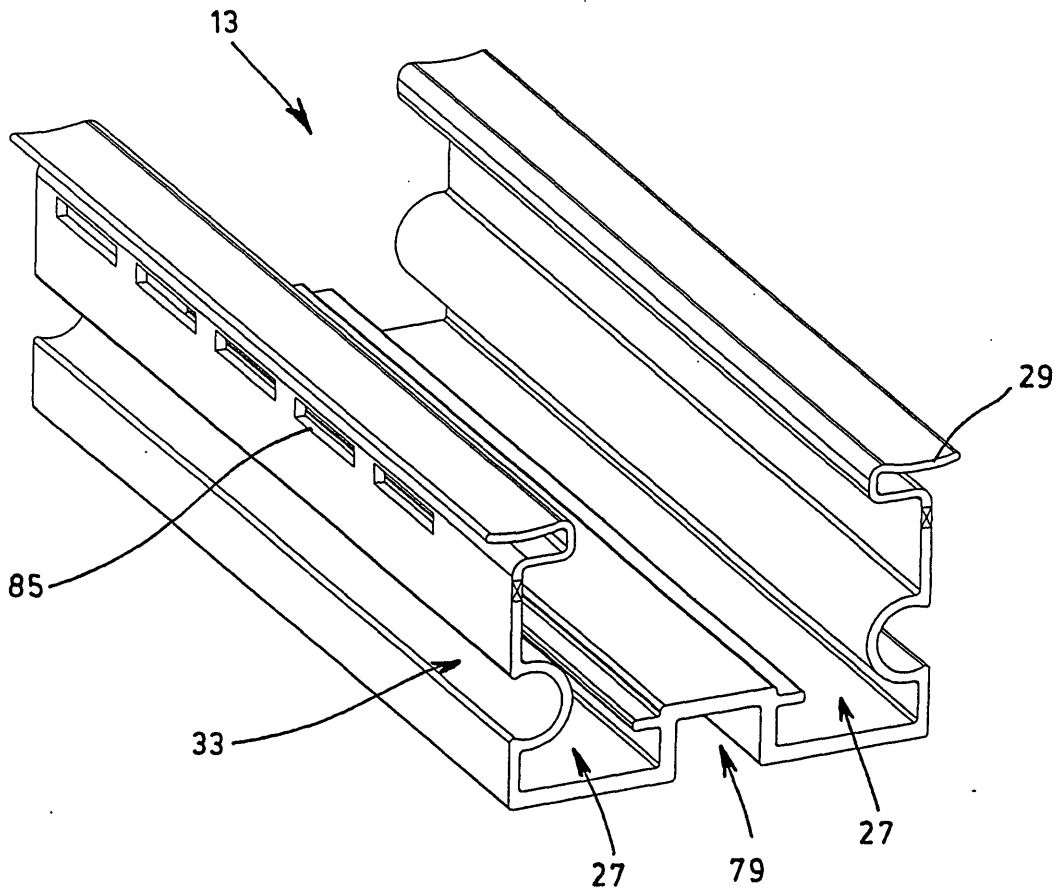


FIG. 20

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 17 of 60

10027872, 032202

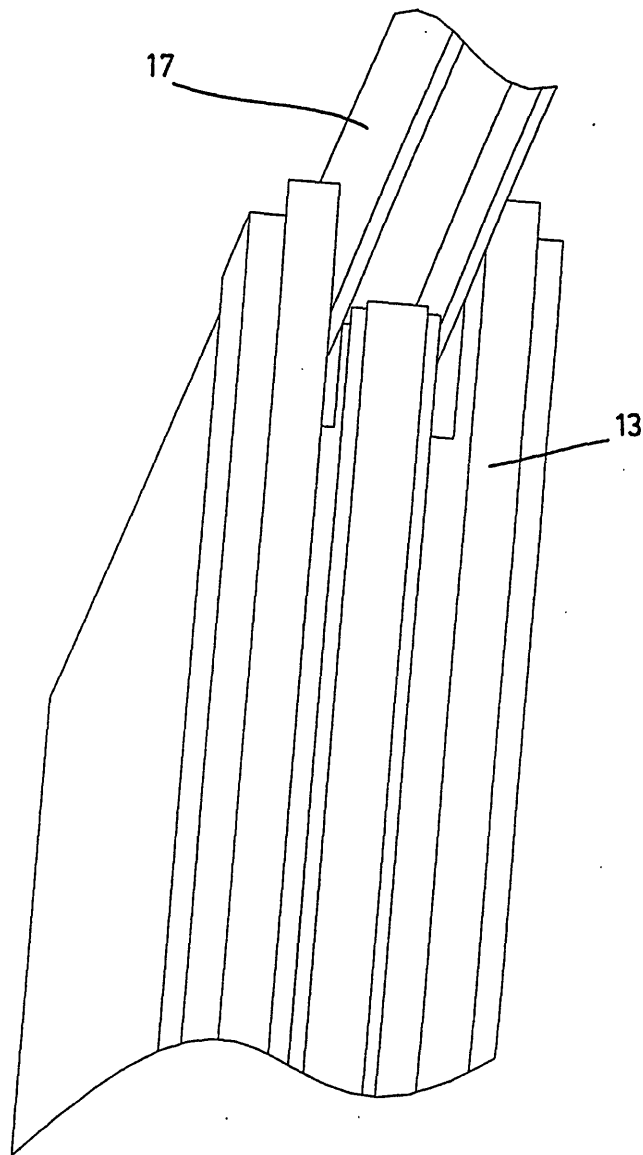


FIG. 21

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 18 of 60

10027872 . 032202

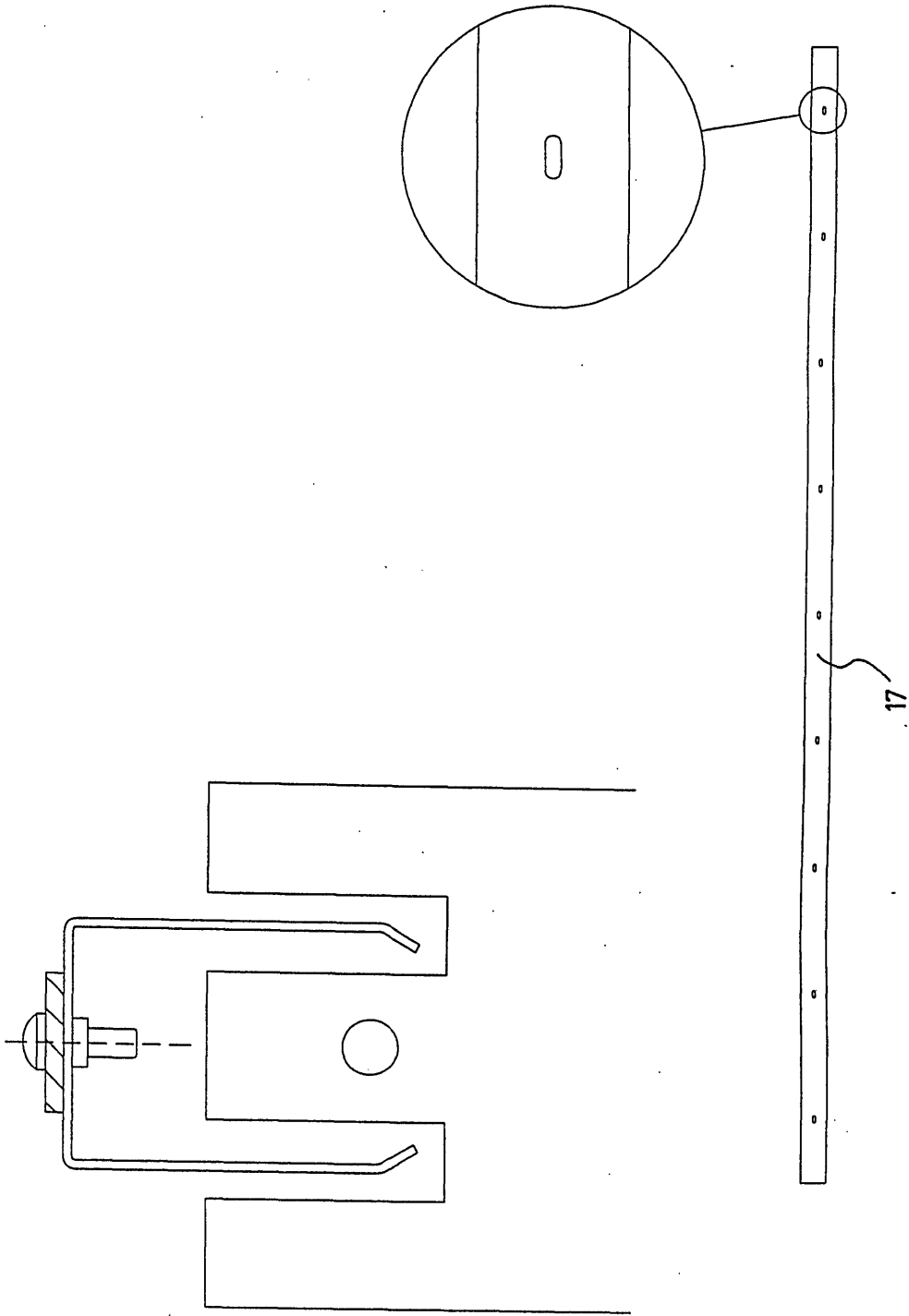


FIG. 22

PRINT OF DRAWINGS
AS ORIGINALLY FILED

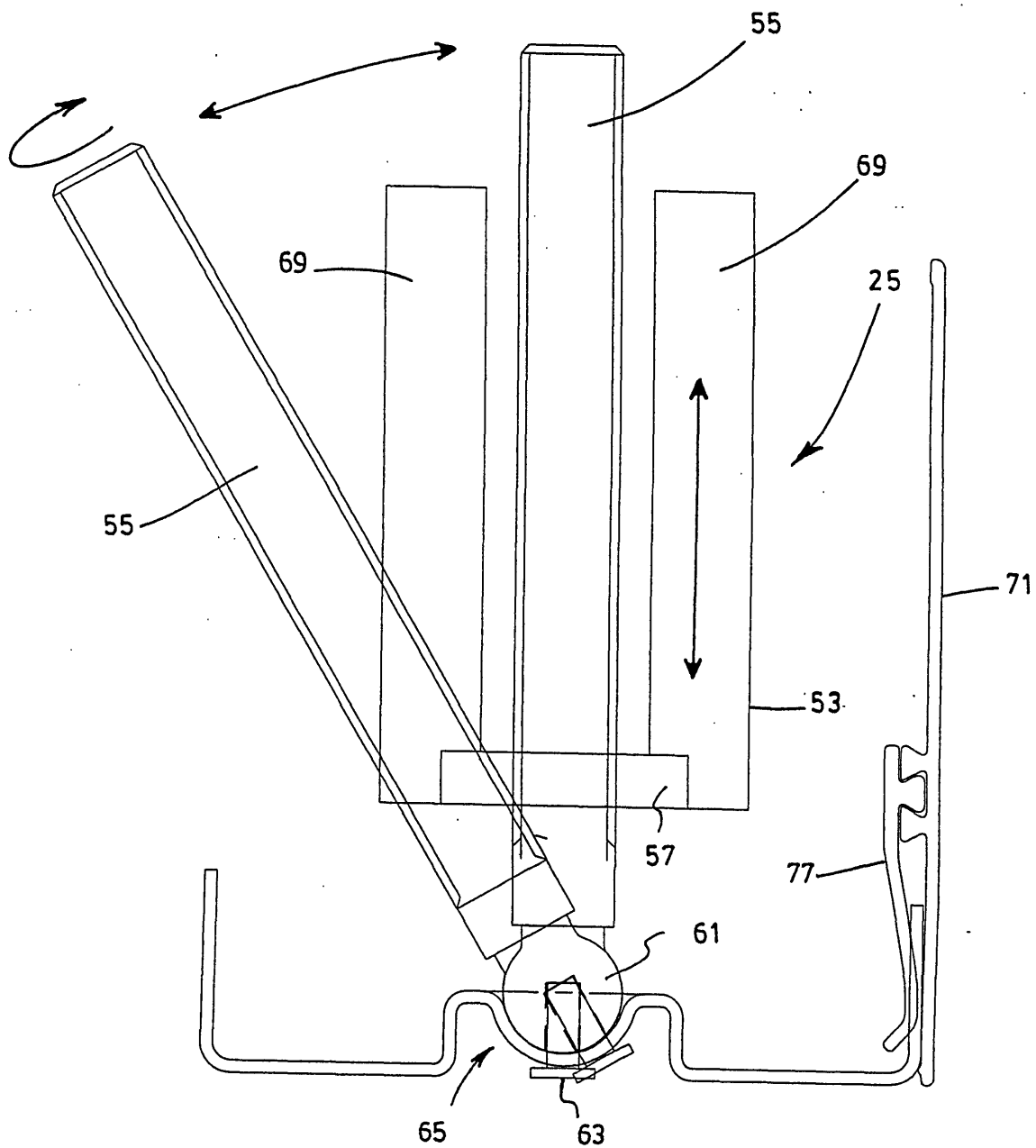


FIG. 23

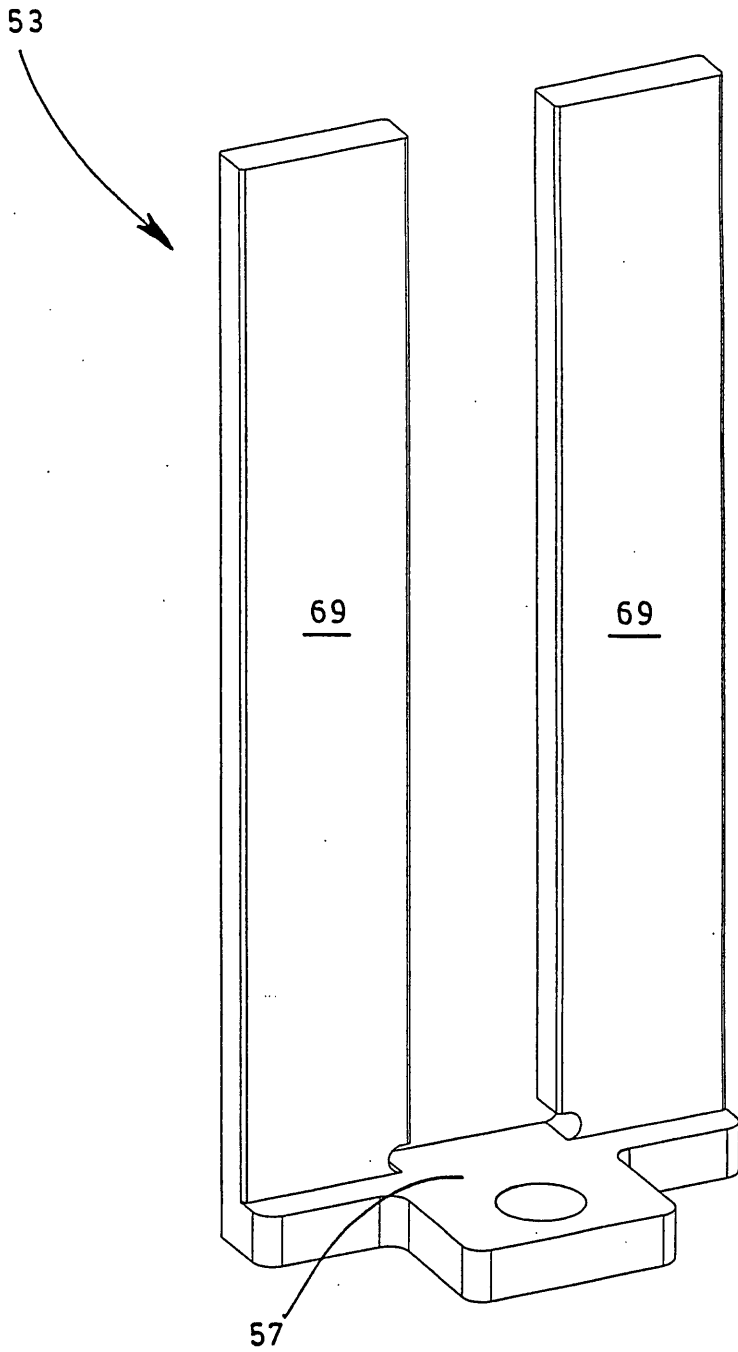


FIG. 24

10027872, 052200

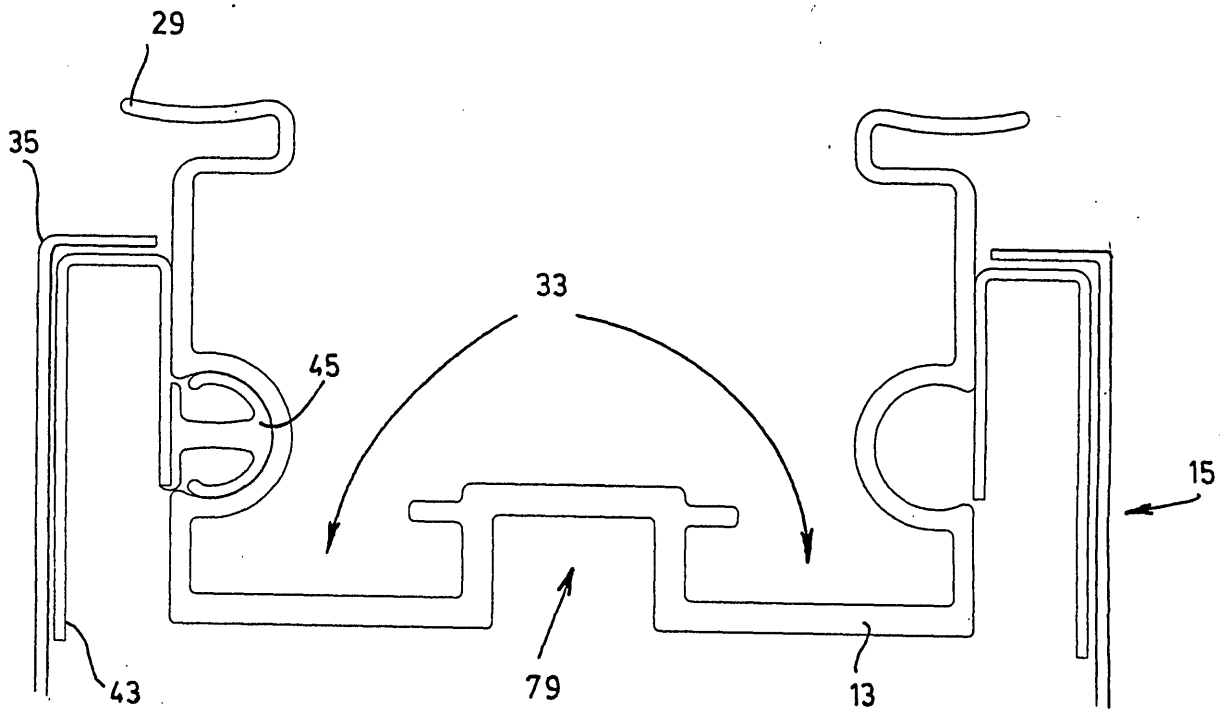


FIG. 25

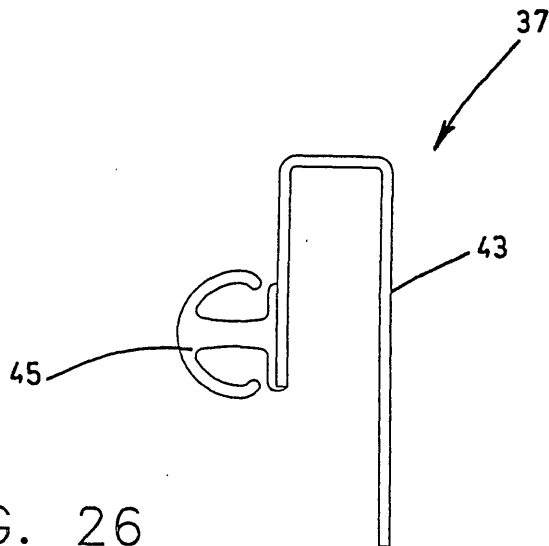


FIG. 26

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872, 032202

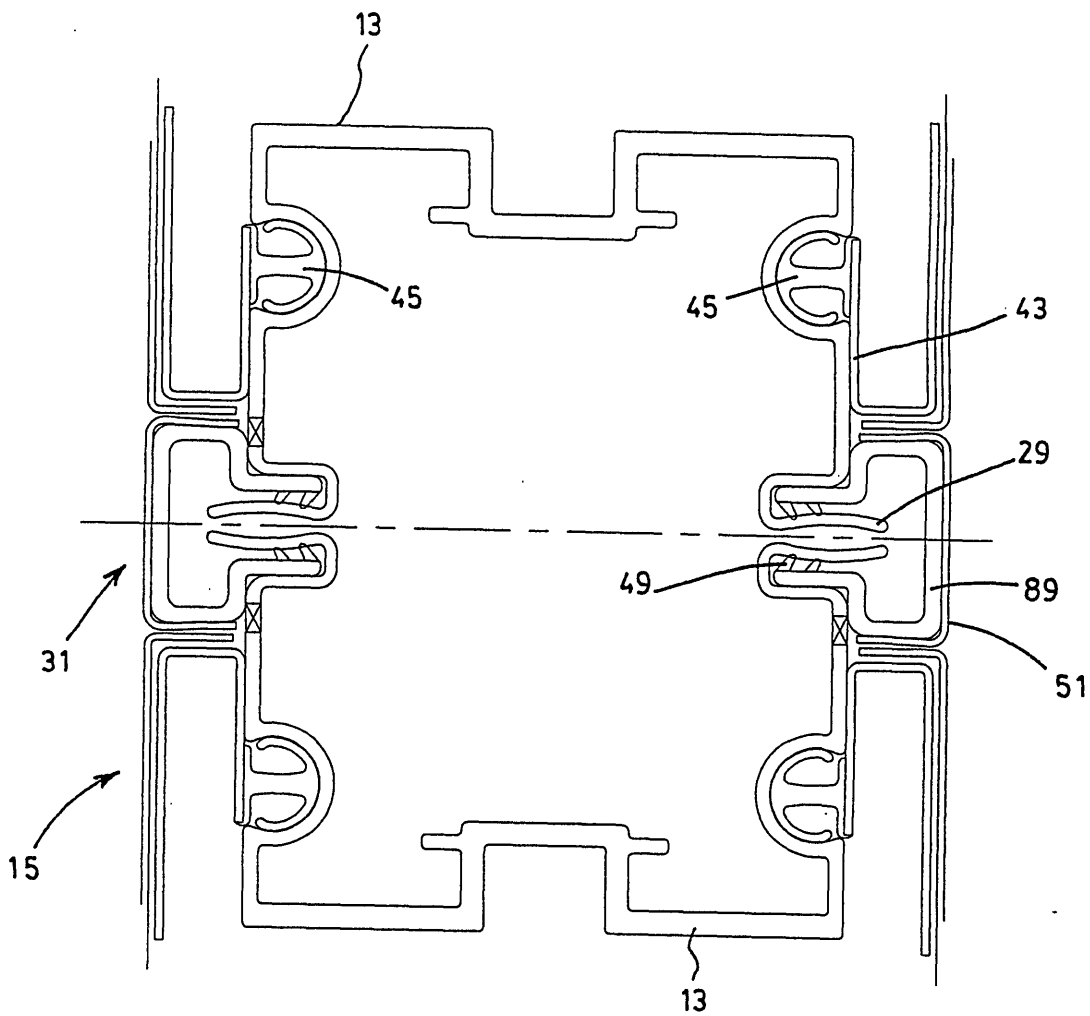


FIG. 27

PRINT OF DRAWINGS
AS ORIGINALLY FILED

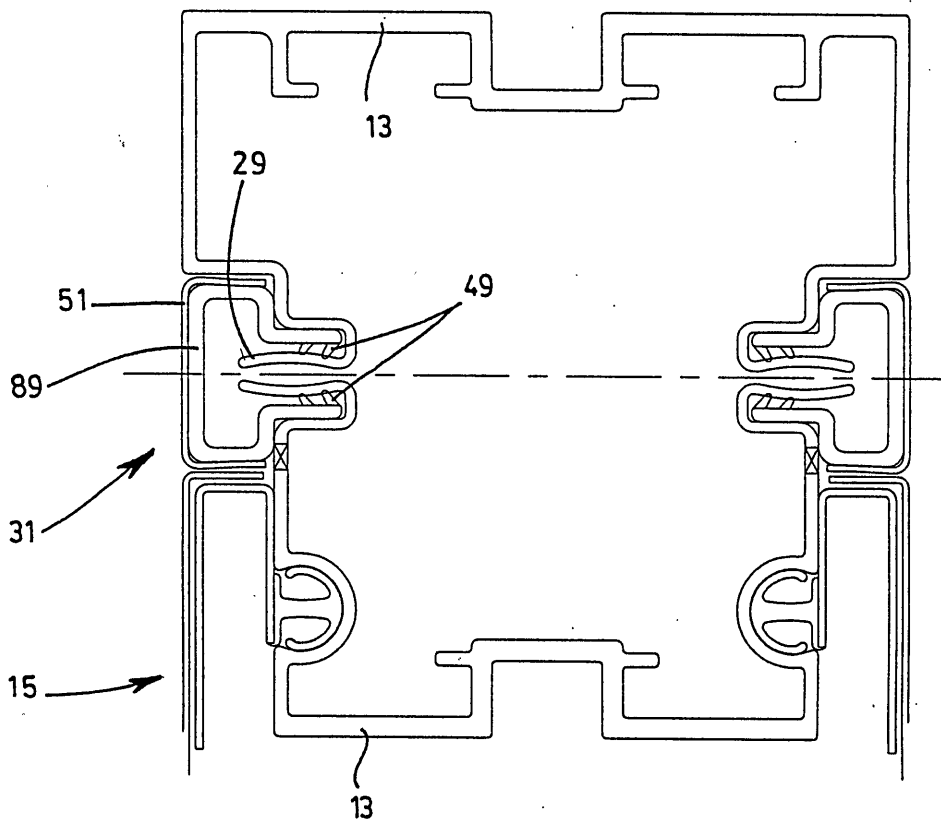


FIG. 28

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 24 of 60

1 0 0 2 7 8 7 2 . 0 2 2 4 2 0 0 0

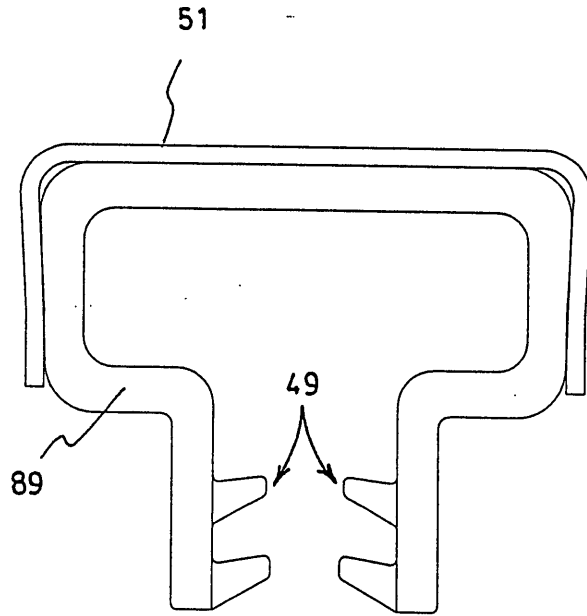


FIG. 29

PRINT OF DRAWINGS
AS ORIGINALLY FILED

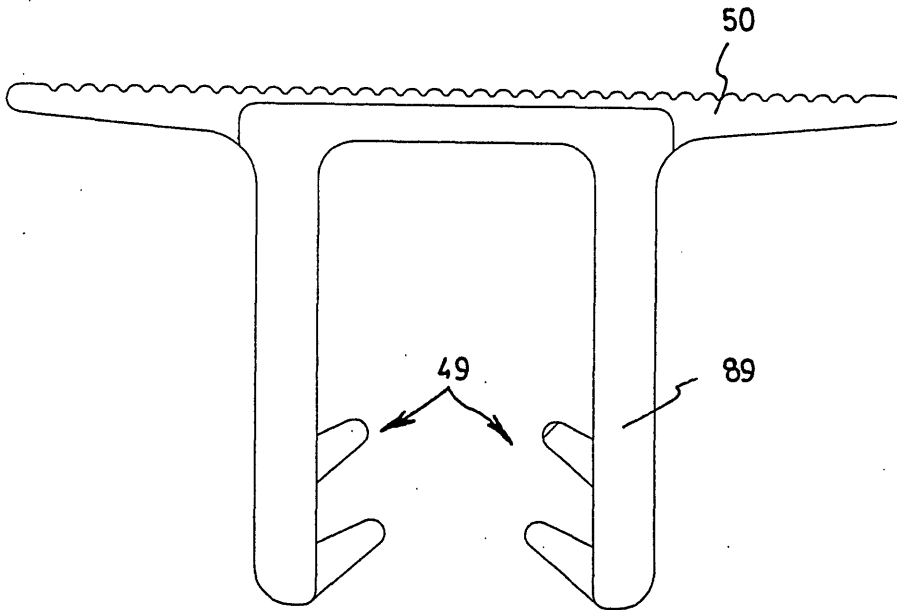


FIG. 30

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872 000000

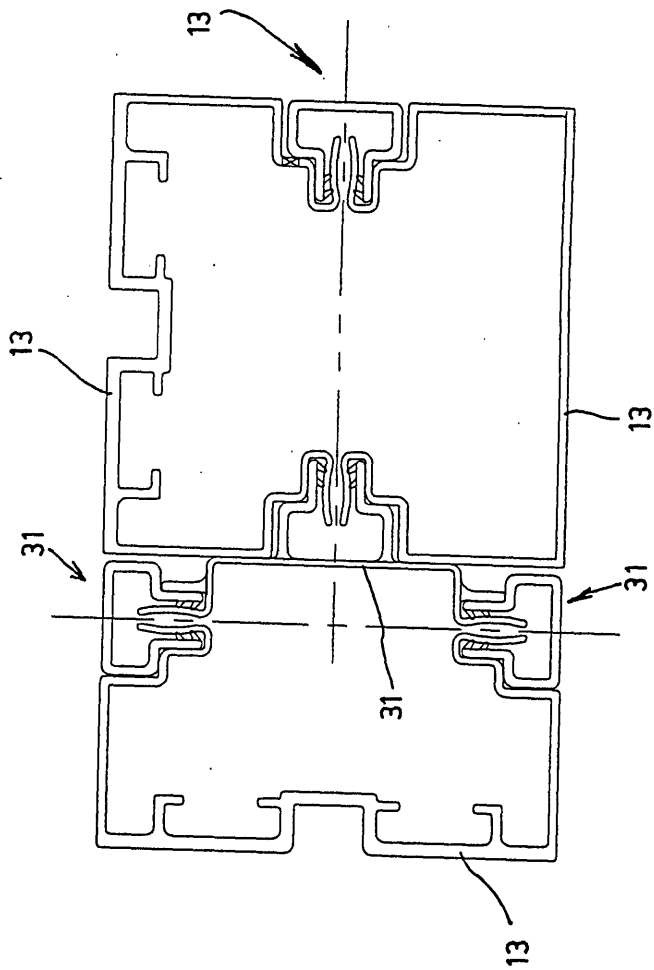


FIG. 31

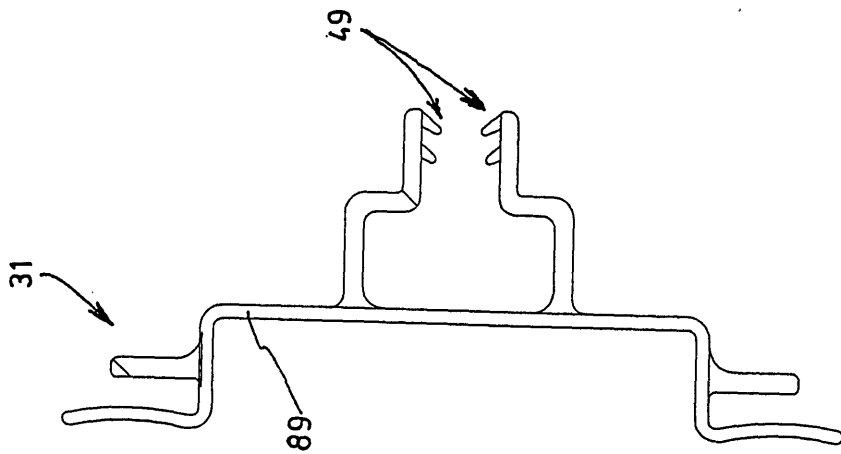


FIG. 32

PRINT OF DRAWINGS
AS ORIGINALLY FILED

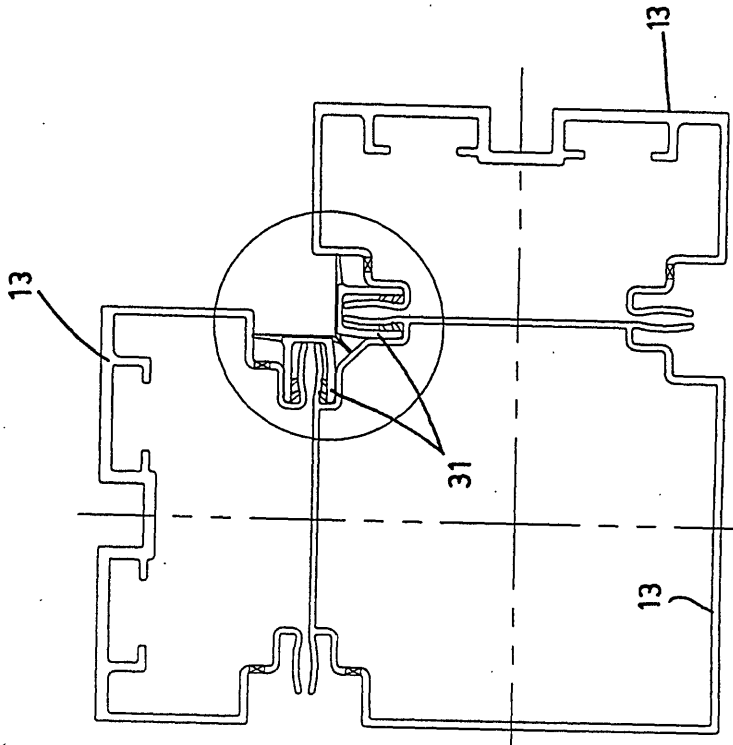


FIG. 33

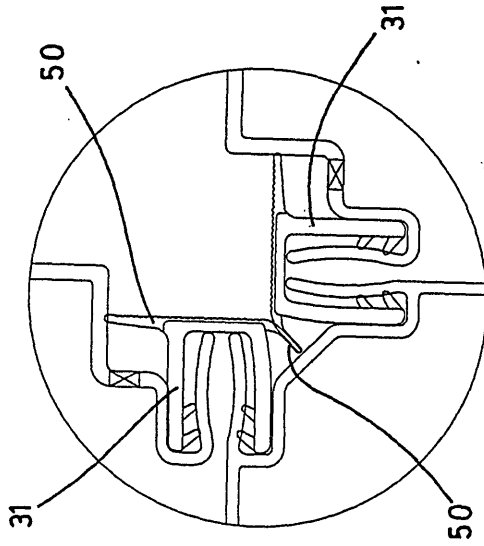


FIG. 34

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 29 of 60

1004720000

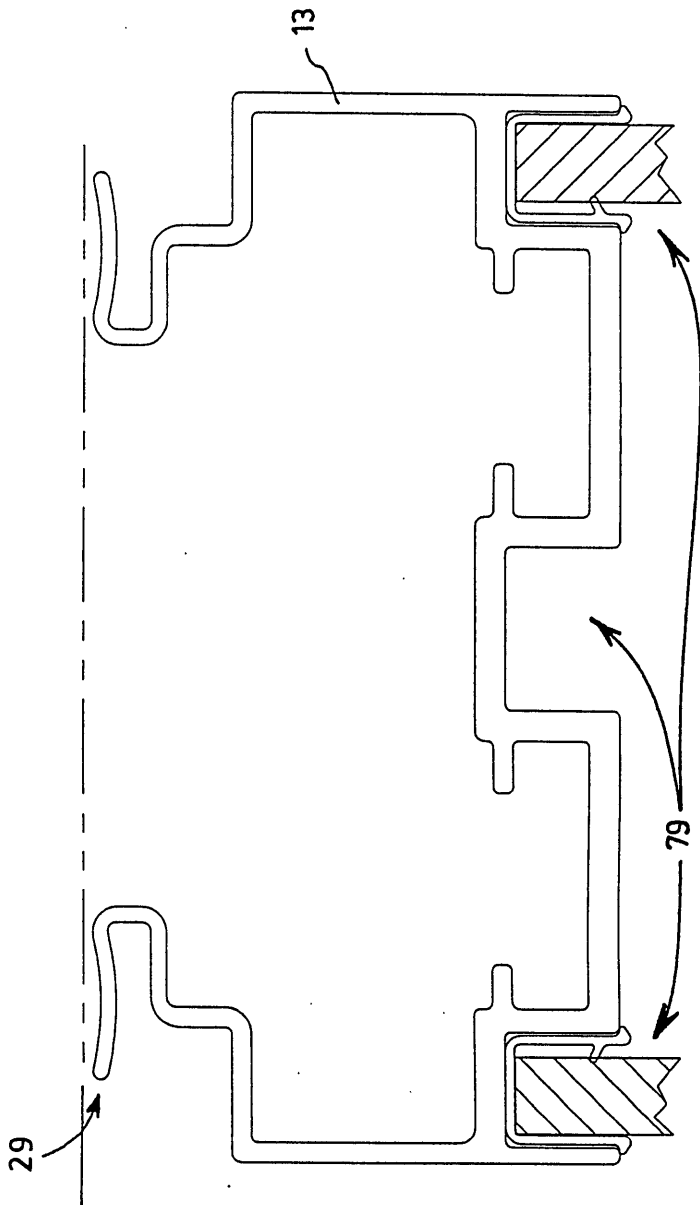


FIG. 36

PRINT OF DRAWINGS
AS ORIGINALLY FILED

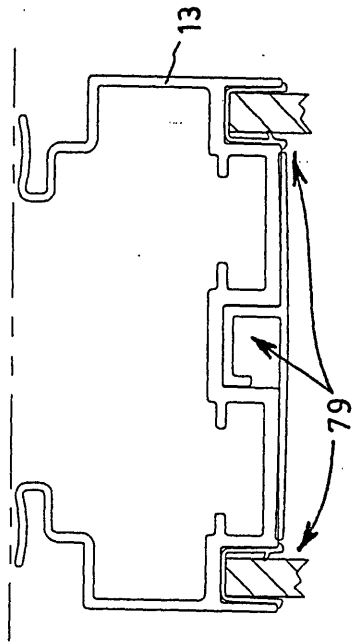


FIG. 38

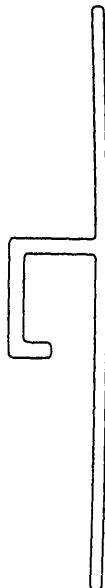


FIG. 39

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 32 of 60

10007872 . 032200

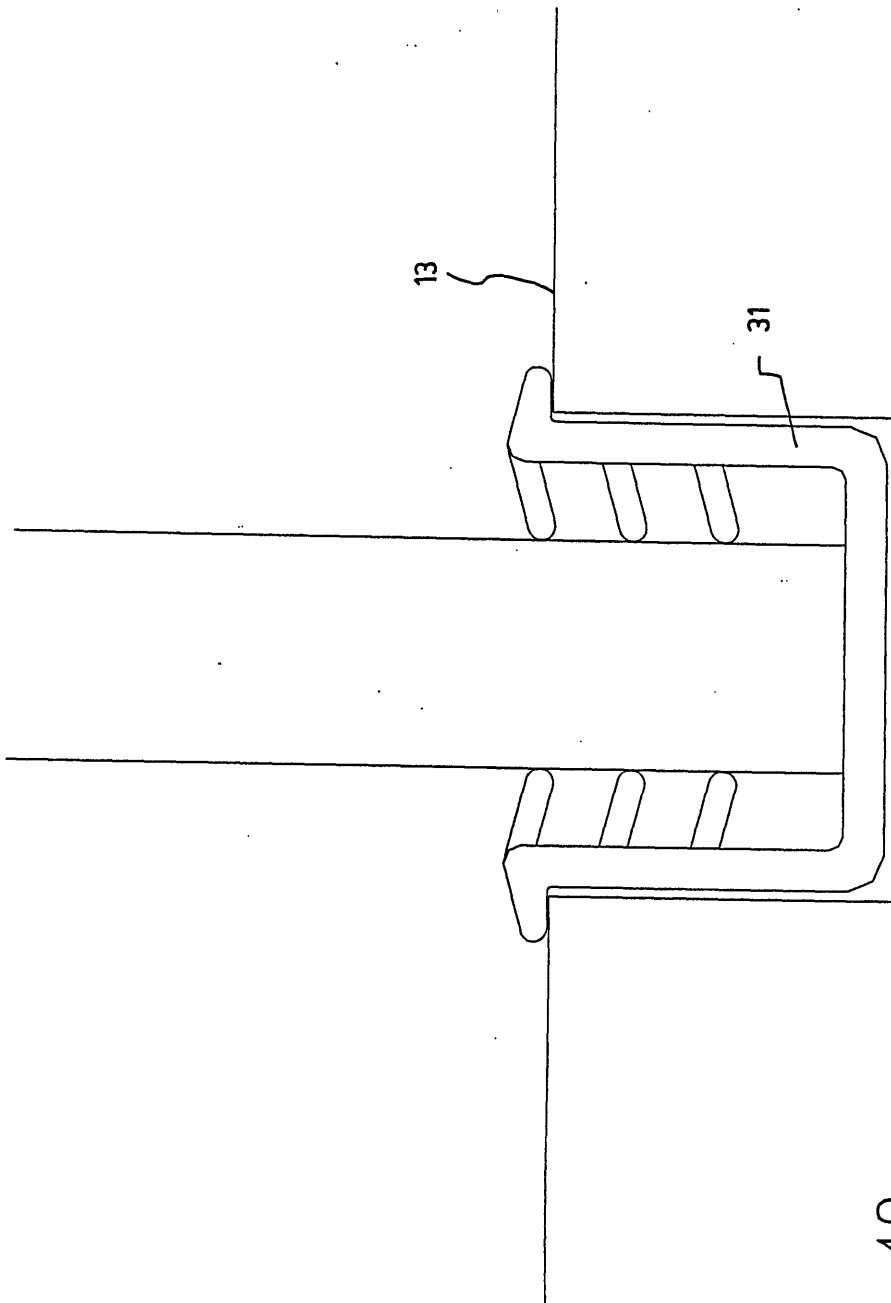


FIG. 40

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 33 of 60

10027872 000000

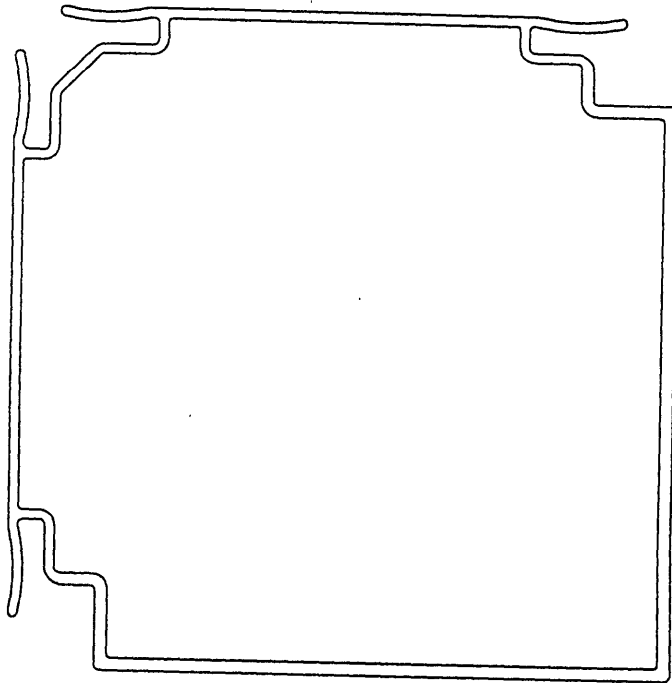


FIG. 41

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 34 of 60

10027872 . 032202

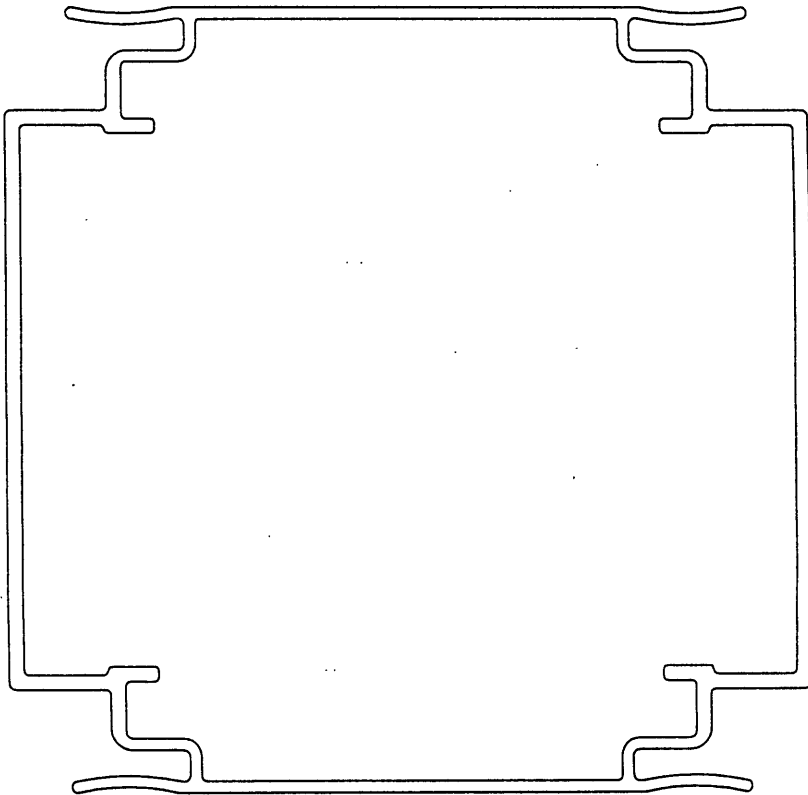


FIG. 42

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 35 of 60

10007872 . 027872

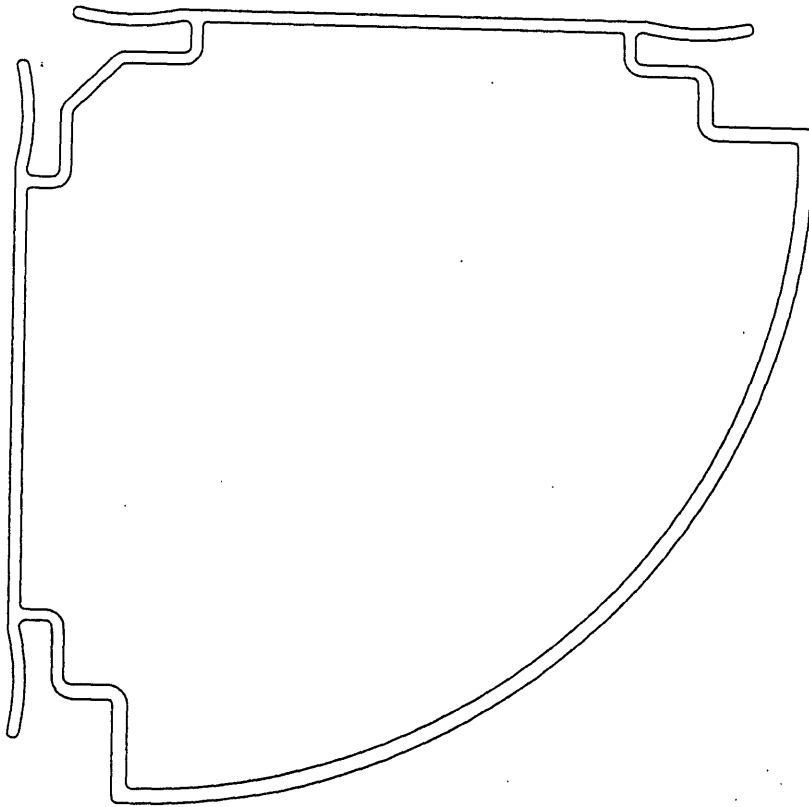


FIG. 43

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 36 of 60

10027872 . 0 36 002

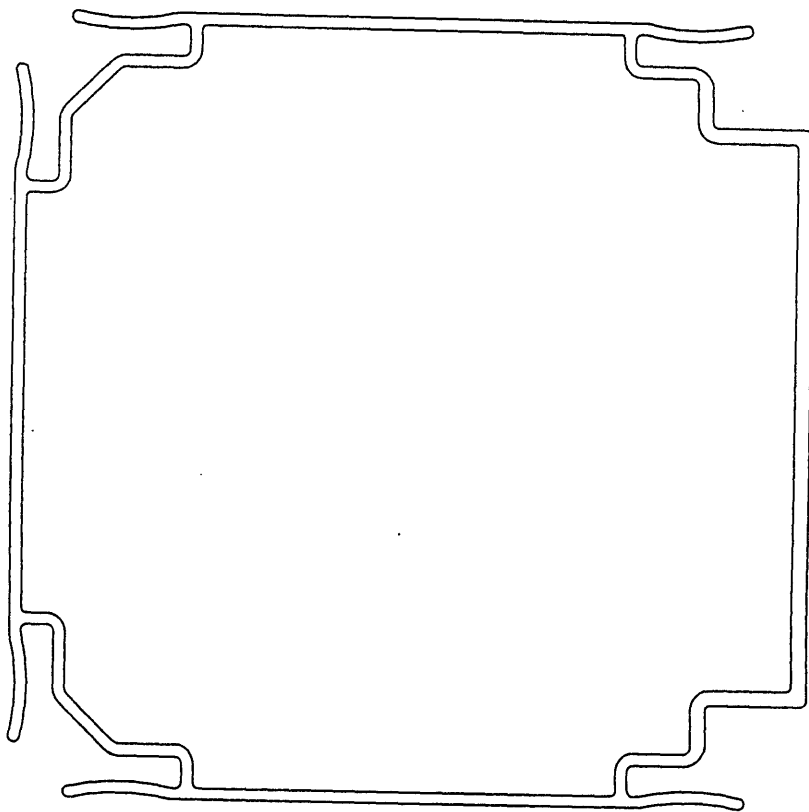


FIG. 44

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 37 of 60

10027872 . 032202

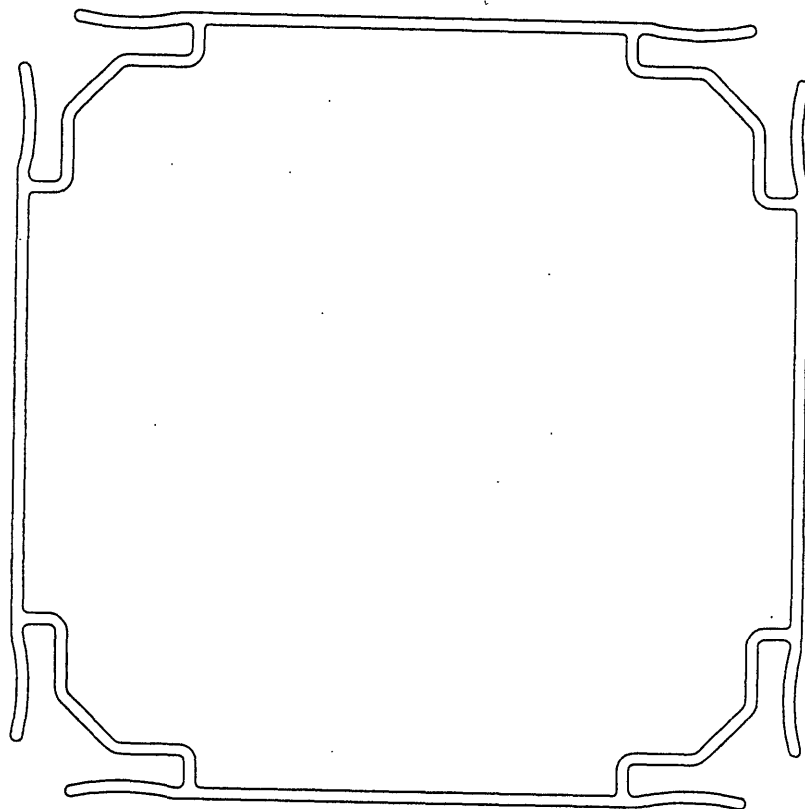


FIG. 45

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872 . 032202

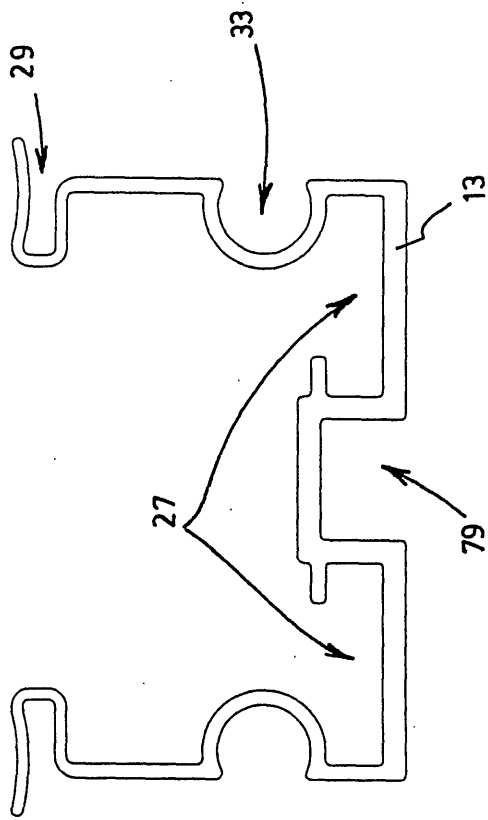


FIG. 48

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 42 of 60

10027872, 000000

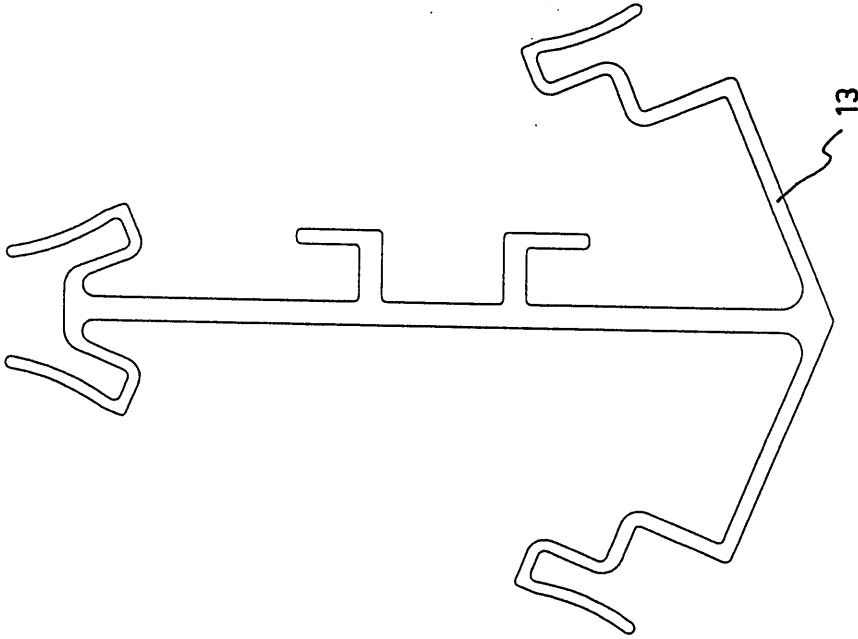


FIG. 50

PRINT OF DRAWINGS
AS ORIGINALLY FILED

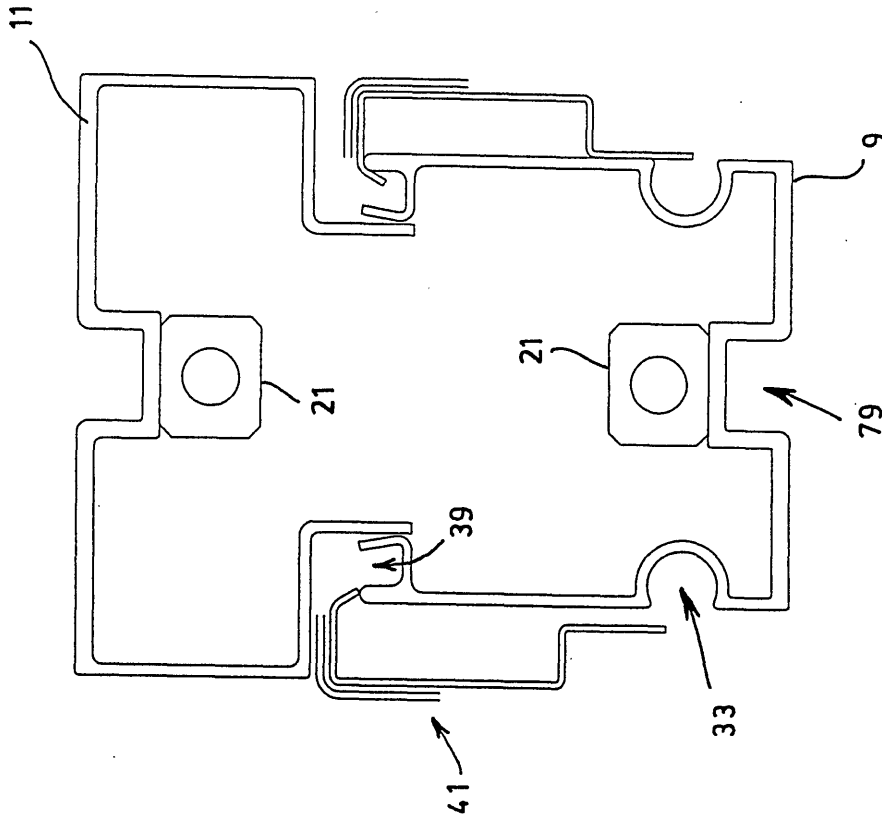


FIG. 52

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 45 of 60

10027872 .032202

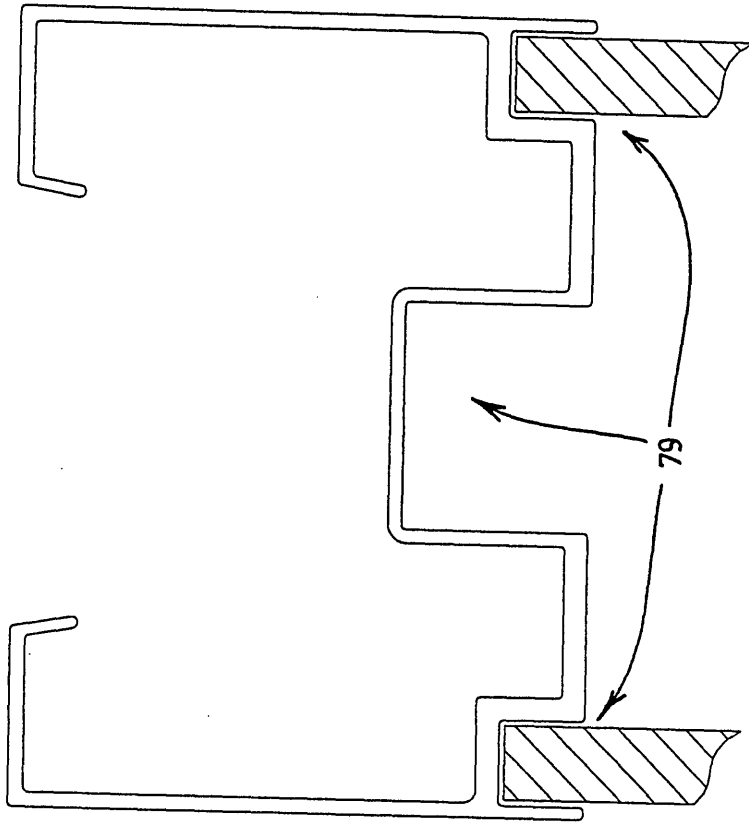


FIG. 53

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 46 of 60

#00027872 000000

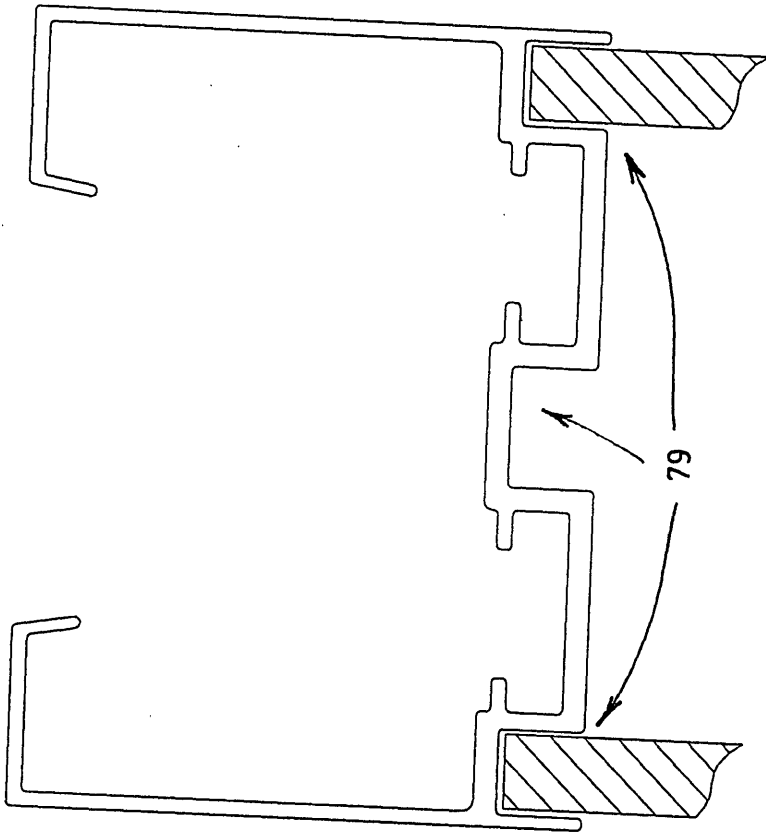


FIG. 54

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 48 of 60.

10027872 032202

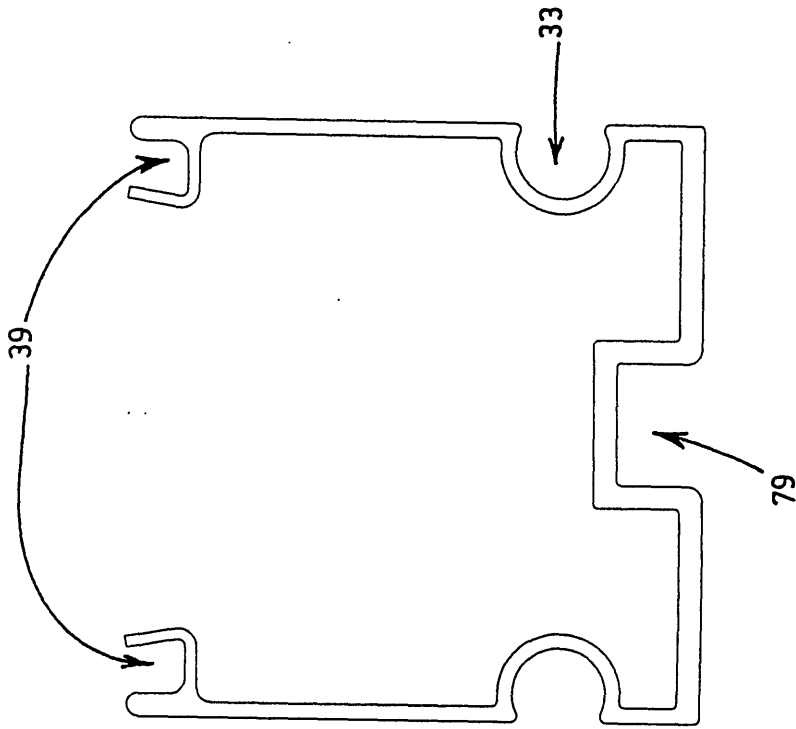


FIG. 56

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872 . 032202

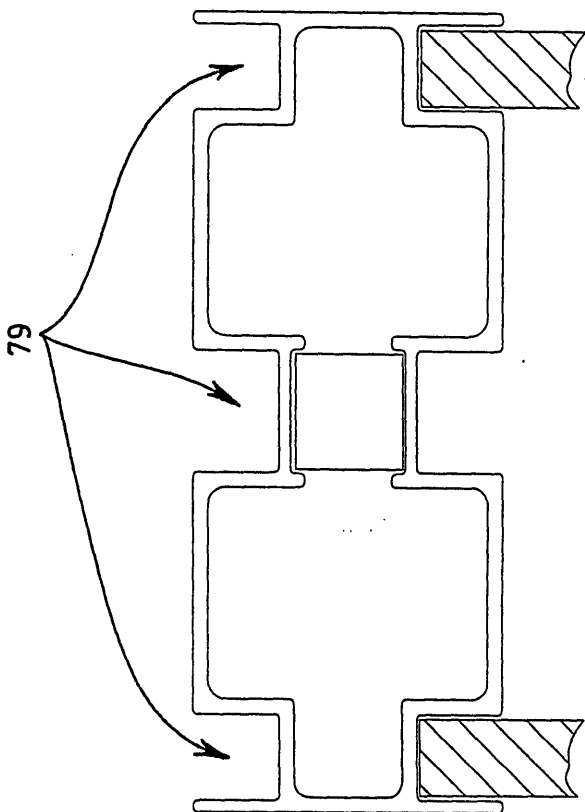


FIG. 57

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 50 of 60

10027872 . 032202

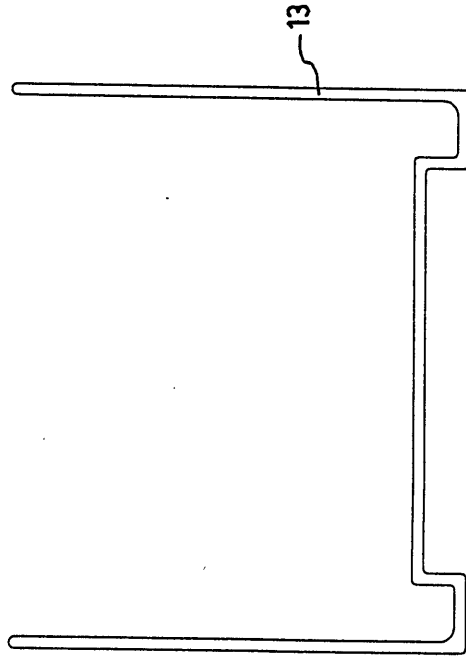


FIG. 58

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 51 of 60

10027872 00000000

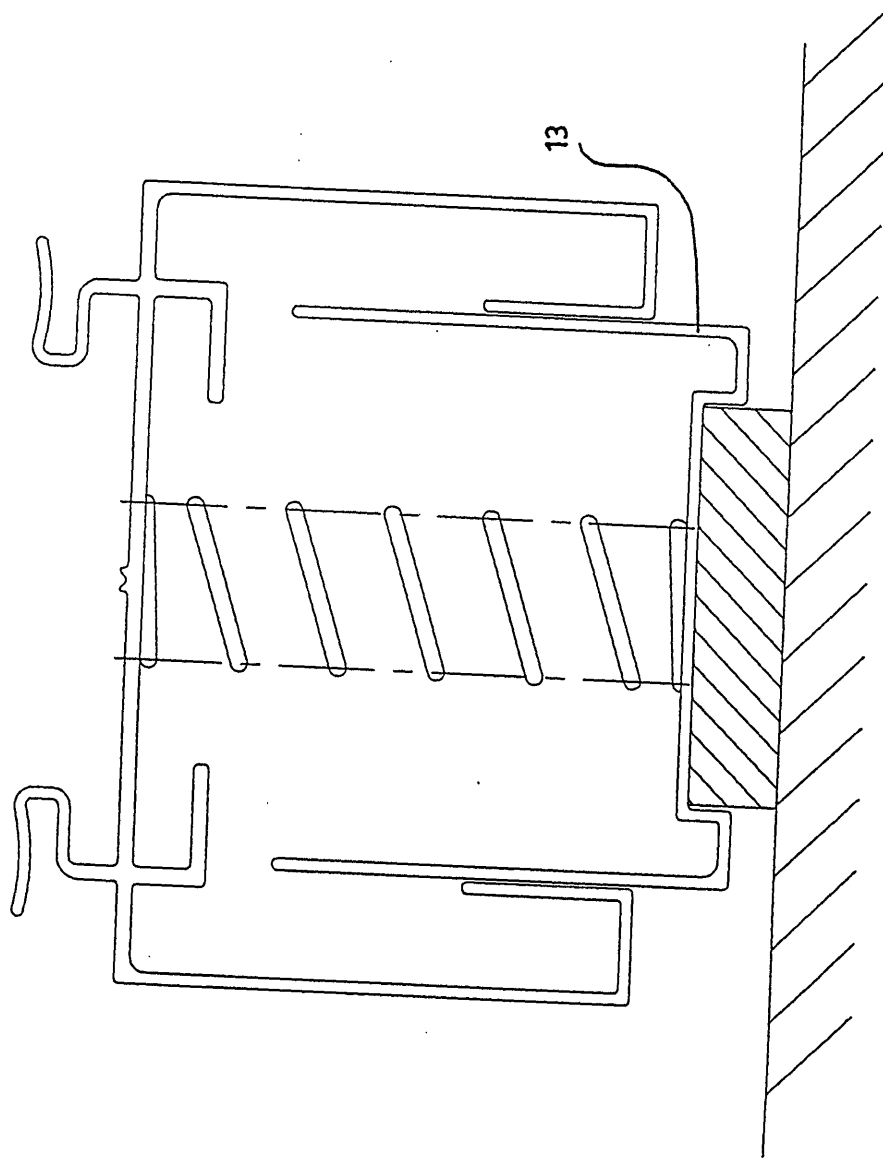


FIG. 59

PRINT OF DRAWINGS
AS ORIGINALLY FILED

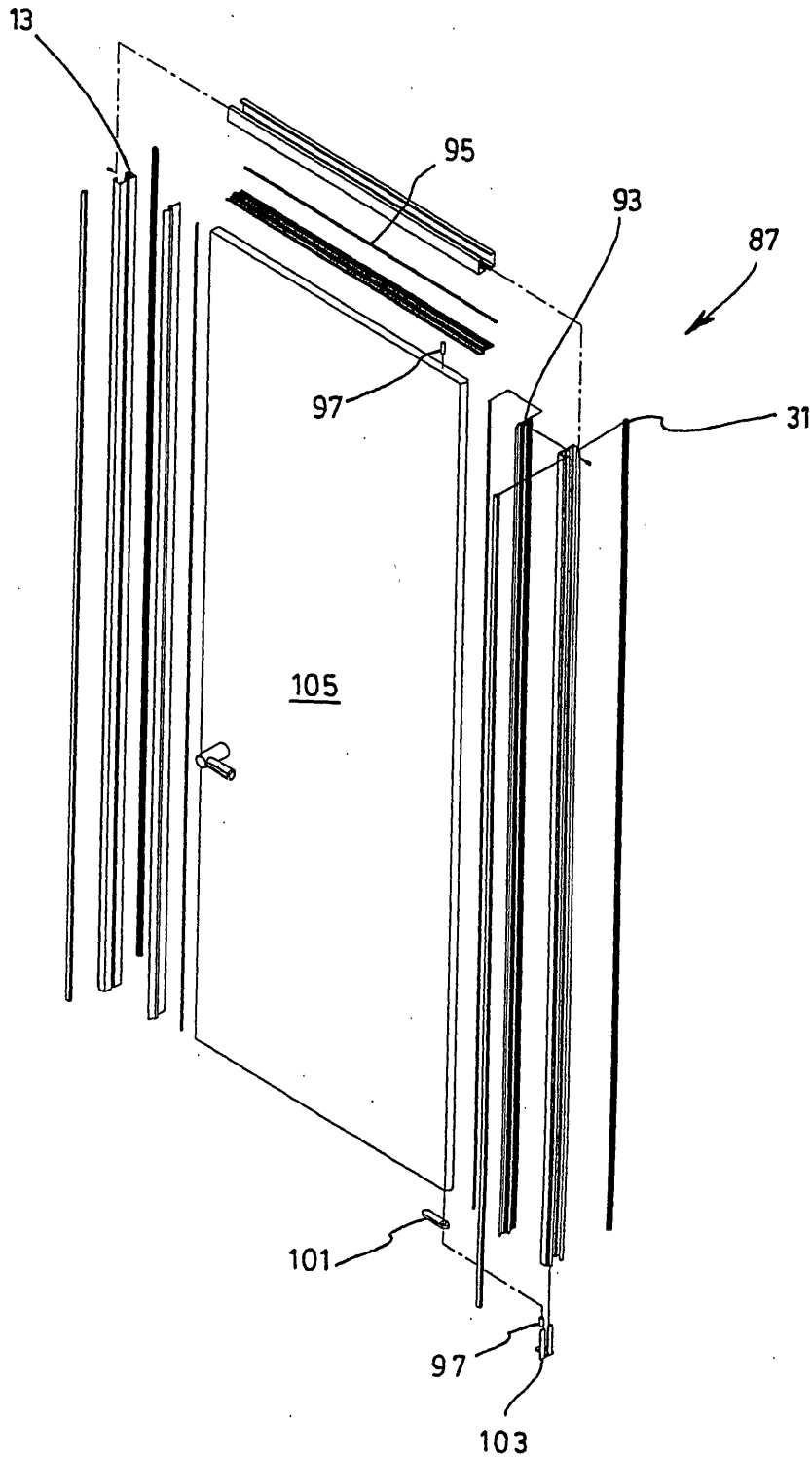


FIG. 60

PRINT OF DRAWINGS
AS ORIGINALLY FILED

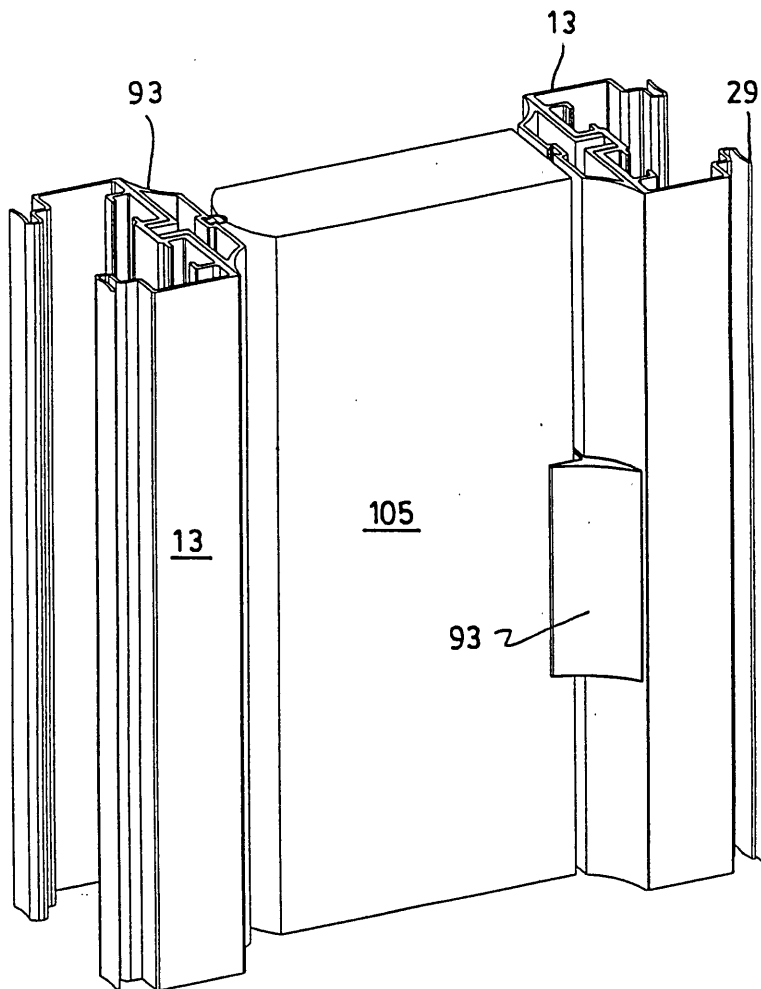


FIG. 61

PRINT OF DRAWINGS
AS ORIGINALLY FILED

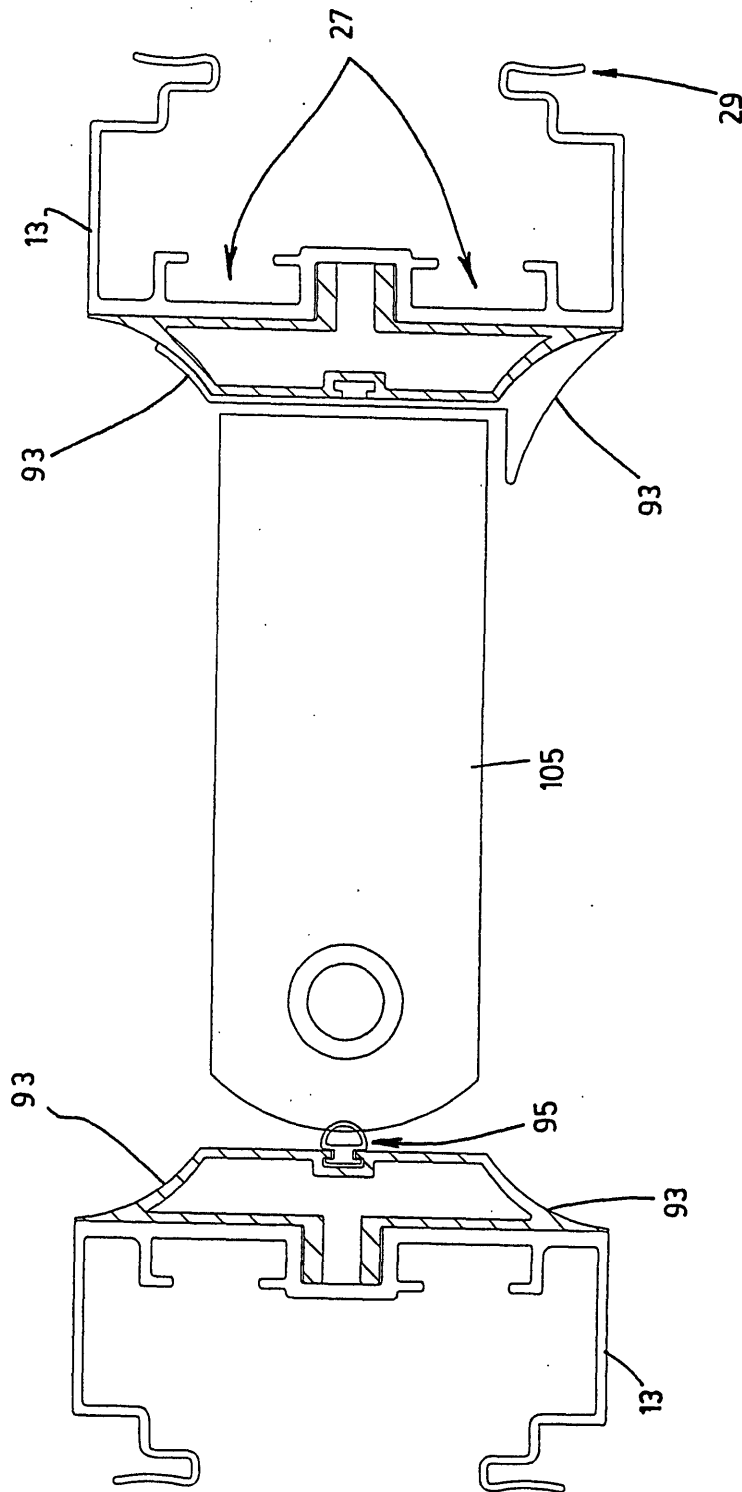


FIG. 62

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 55 of 60

10027872, 033002

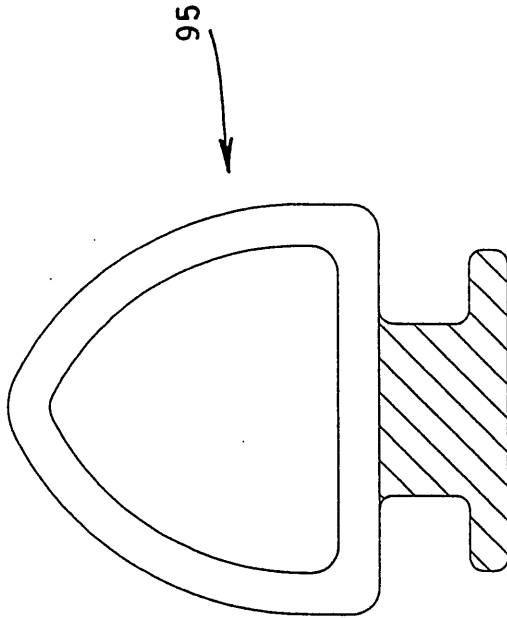


FIG. 63

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 56 of 60

1 0 0 0 7 9 9 8 1 1 0 0 0 0 0 0 0 0

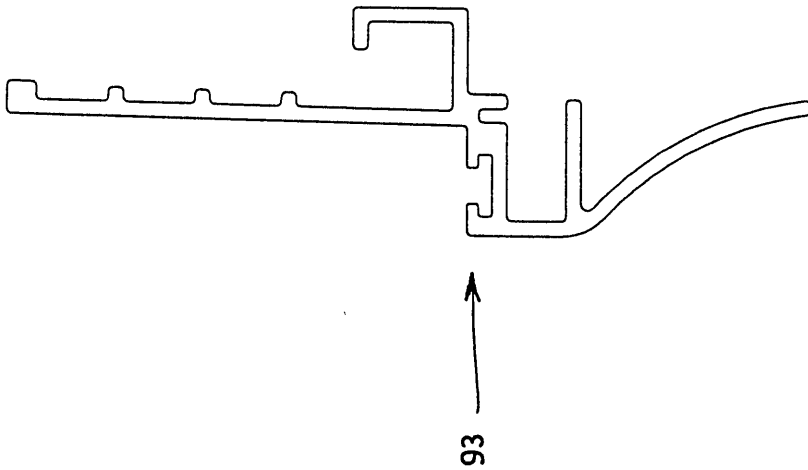


FIG. 64

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 57 of 60

10027872 . 032202

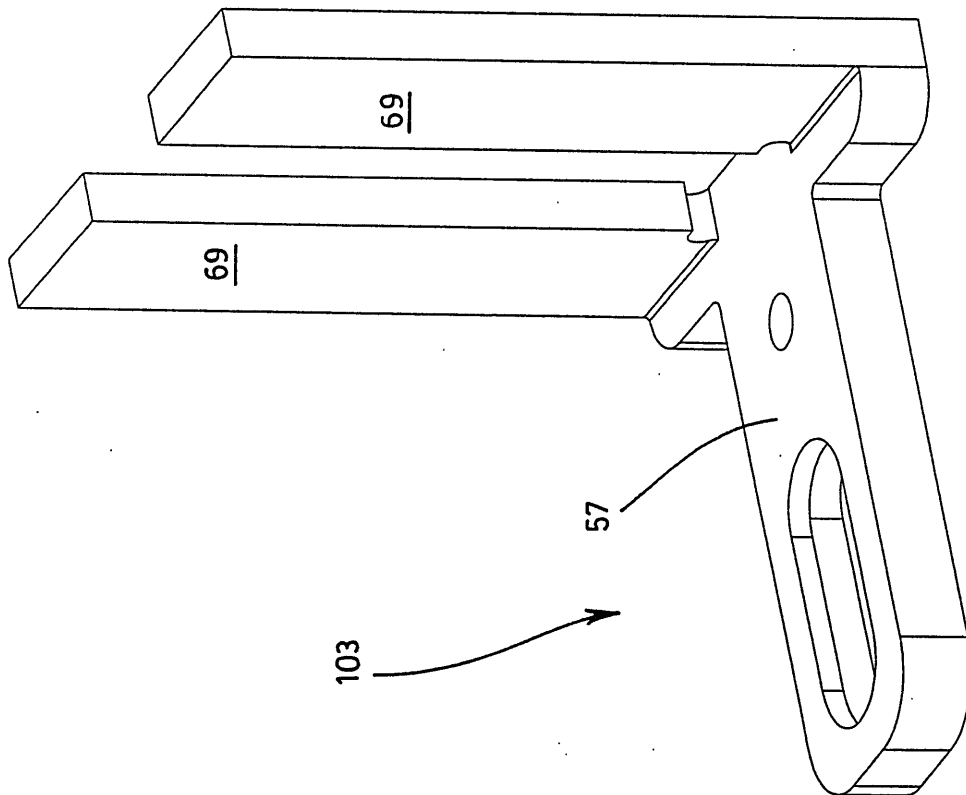


FIG. 65

PRINT OF DRAWINGS
AS ORIGINALLY FILED

10027872 .000000

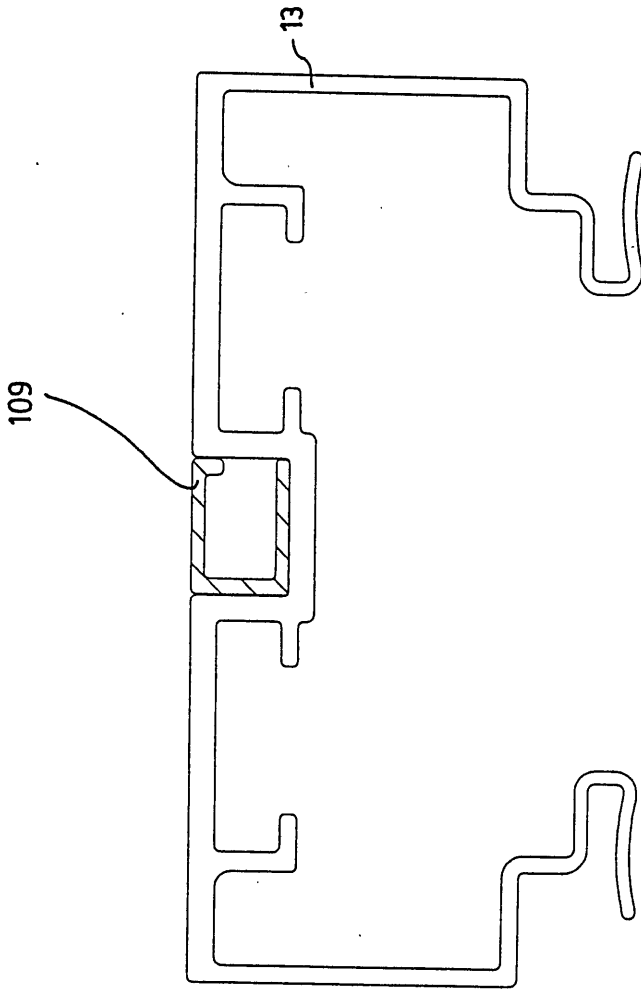


FIG. 67

PRINT OF DRAWINGS
AS ORIGINALLY FILED

Inventor: VON HOYNINGEN HUENE, et al.
Docket No.: 9680.190US01
Title: MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM
Serial No.: 10/027872
Sheet 60 of 60

10027872 . 032202

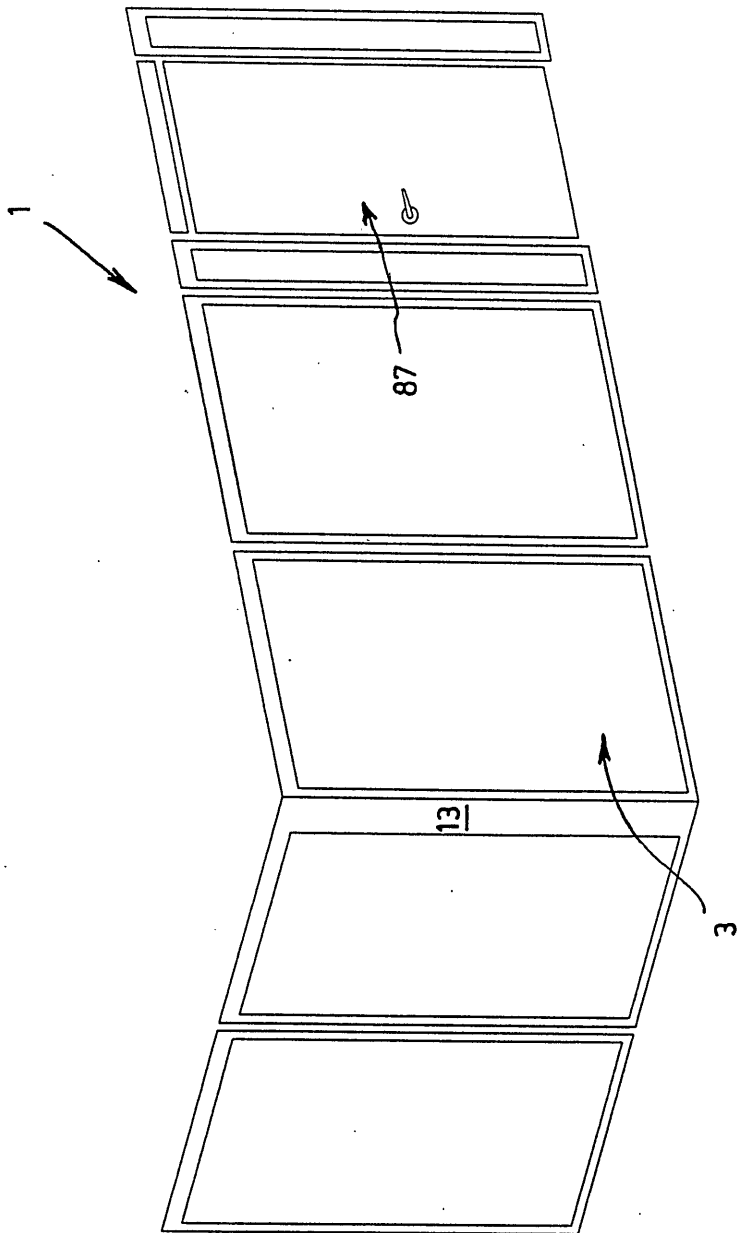


FIG. 68

PRINT OF DRAWINGS
AS ORIGINALLY FILED

45

Application Data Sheet

Application Information

Application Type:: Regular
Subject Matter:: Utility
Suggested Classification::
Suggested Group Art Unit::
CD-ROM or CD_R?:: None
Number of CD disks::
Number of copies of CDs::
Sequence Submission:: No
Computer Readable Form (CRF)?:: No
Title:: MOVEABLE AND DEMOUNTABLE WALL PANEL
SYSTEM
Attorney Docket Number:: 9680.190US01
Request For Early Publication:: No
Request For Non-Publication:: No
Suggested Drawing Figure::
Total Drawing Sheets:: 60
Small Entity:: No
Latin Name::
Variety Denomination Name::
Petition Included:: No
Petition Type::
Licensed US Govt. Agency::
Contract or Grant Numbers::
Secrecy Order in Parent Appl.?:: No

Initial 10027872 12/21/01

Page # 1

10027872 00000000

Applicant Information

Applicant Authority Type:: Inventor
Primary Citizenship Country:: Canada
Status:: Full Capacity
Given Name:: Eberhard
Middle Name::
Family Name:: VON HOYNINGEN HUENE
Name Suffix::
City of Residence:: Hudson
State or Province of Residence:: Que.
Country of Residence:: Canada
Street of mailing address:: 107 Côte St-Charles
City of mailing address:: Hudson
State or Province of mailing address:: Que.
Country of mailing address:: Canada
Postal or Zip Code of mailing address:: J0P 1H0

Applicant Information

Applicant Authority Type:: Inventor
Primary Citizenship Country:: Canada
Status:: Full Capacity
Given Name:: Michael
Middle Name::
Family Name:: SALZMAN
Name Suffix::
City of Residence:: Dollard-des-Ormeaux
State or Province of Residence:: Que.
Country of Residence:: Canada
Street of mailing address:: 271 Ernest

Initial 10027872 12/21/01

10027872 .032202

City of mailing address:: Dollard-des-Ormeaux
State or Province of mailing address:: Que.
Country of mailing address:: Canada
Postal or Zip Code of mailing address:: H9A 3G4

Applicant Information

Applicant Authority Type:: Inventor
Primary Citizenship Country:: Canada
Status:: Full Capacity
Given Name:: Geoffrey
Middle Name::
Family Name:: BOYER
Name Suffix::
City of Residence:: Pointe-Claire
State or Province of Residence:: Que.
Country of Residence:: Canada
Street of mailing address:: 292 Inglewood Avenue
City of mailing address:: Pointe-Claire
State or Province of mailing address:: Que.
Country of mailing address:: Canada
Postal or Zip Code of mailing address:: H9R 2Z5

Correspondence Information

Correspondence Customer Number:: 23552

Representative Information

Representative Customer Number::	23552
----------------------------------	-------

Initial 10027872 12/21/01

10027872 . 032202

Foreign Priority Information

Country::	Application Number::	Filing Date::	Priority Claimed::
Canada	2,329,591	12/22/00	Yes

Assignee Information

Assignee Name:: EBERHARD VON HUENE & ASSOCIATES
Street of mailing address::
City of mailing address:: Vaudreuil-Dorion
State or Province of mailing address:: Que.
Country of mailing address:: Canada
Postal or Zip Code of mailing address::

Initial 10027872 12/21/01

10027872 032202



S/ 10/027872

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	VON HOYNINGEN HUENE, et al.	Examiner:	Unknown
Serial No.:	10/027872	Group Art Unit:	Unknown
Filed:	December, 21, 2001	Docket No.:	9680.190US01
Title:	MOVEABLE AND DEMOUNTABLE WALL PANEL SYSTEM.		

CERTIFICATE UNDER 37 CFR 1.10:
 "Express Mail" mailing label number: EV 036305928 US
 Date of Deposit: March 22, 2002
 I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, Washington, D.C. 20231.
 By:
 Name: Chris Stordahl

SUBMISSION OF MISSING PARTS

BOX MISSING PARTS
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In connection with the above-identified application, enclosed please find the originally signed Combined Declaration and Power of Attorney and Associate Power of Attorney. Also enclosed is our check in the amount of \$130 to cover the Missing Parts completion fee.

Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

Dated: March 22, 2002

By
Gregory A. Sebald
Reg. No. 33,280

GAS/pjk

