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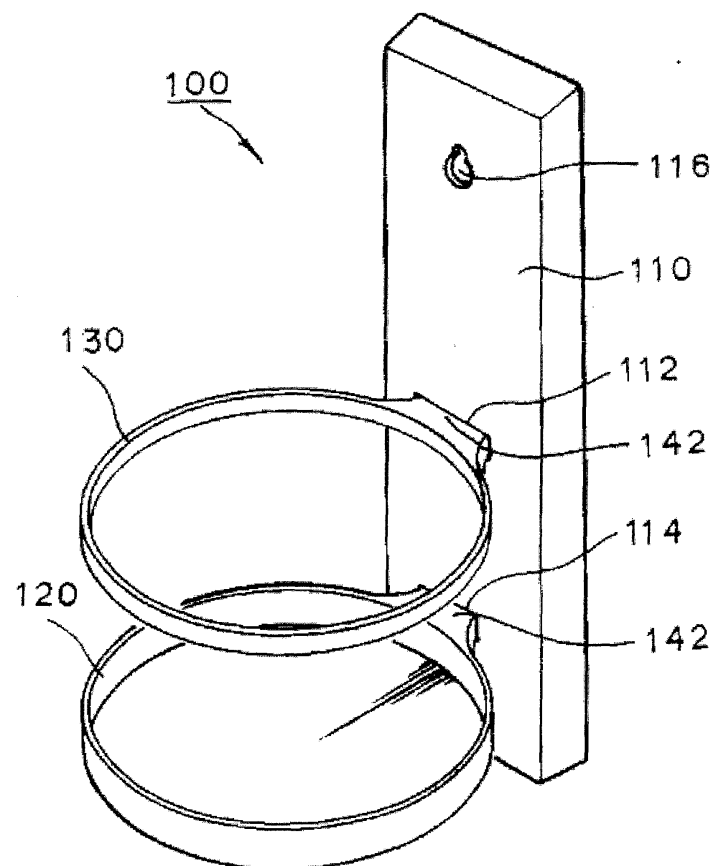
Hwasung-City, Kyungki-Do (KR)

(54) **Flowerpot hanger device**

(57) A support (120) for a flower pot and a sustain holder (130) to sustain the upper part of the flower pot

are each connected by a dowelled joint to a frame (110) to be placed on the walls or poles of apartments or other buildings.

Figure 1



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Description

[0001] The invention relates generally a flowerpot hanger device. To be more specific, it can be placed and withdrawn easily in or outside of apartments without spoiling the beauty of the buildings. It has an excellent effect with simple procedures to water or change the plants.

[0002] Generally, flowerpot hangers for hanging plants in or outside of apartments and on walls or poles of buildings but generally they were designed slightly tilted, which was not a pretty sight. Also, hangers that can be installed on walls or comers of poles were brought up but practically used because they were not very popular.

[0003] The present invention is about a flowerpot hanger device. It can be placed and withdrawn easily in or outside of apartments without spoiling the beauty of the buildings. It has an excellent effect with simple procedures to water or change the plants. The invention characteristically includes frames with regular intervals; a support that enables flowerpots to sit on the upper part of the pot; risings formed at the lower part of the support and sustain holder, bond risings that goes into joint holes, bond jaws atop, curved surface formed beneath the rising, sustain jaw at the end of the curve, a fixed hole that goes through behind the bond rising, and a fixing pin that goes in the fixed hole to fasten bond rising.

[0004] The aforementioned aspects and other features of the present invention will be explained in the following description, taken in conjunction with the accompanying drawings, wherein:

FIG 1 is the squint drawing of the invention, flowerpot hanger device,

FIG 2 is cross-section of the invention, flowerpot hanger device showing bond conditions,

FIG 3 is the enlargement of "A" section of FIG 2,

FIG 4 is to explain the major context of the flowerpot hanger device's bond measures.

* Description of major parts in the drawing *

[0005]

100 - Flowerpot hanger device	110 - Frame
112,114 -Joint hole	116 - Nail hole
120 - Support	130 - Sustain holder
140 -Bond measure	141 - Fixed hole
142 -Bond rising	144 — Bond jaw
146 -Curved surface	148 - Sustain jaw
149 - Fixing pin	149a — Rising

[0006] The purpose of the invention is to resolve the problems by providing a flowerpot hanger that will not tilt when hung on the walls of apartments and buildings.

[0007] To have the purpose met, the invention characteristically includes frames with regular intervals; a support that enables flowerpots to sit on the upper frame; a sustain holder that enables to sustain the upper part of the pot; risings formed at the lower part of the support and sustain holder, bond risings that goes into joint holes, bond jaws atop, curved surface formed beneath the rising, sustain jaw at the end of the curve, a fixed hole that goes through behind the bond rising, and a fixing pin that goes in the fixed hole to fasten bond rising.

[0008] The frame shown above is specially designed with a nail hole that enables the hanger to be fixed on walls.

[0009] The shapes of the upper support and sustain holder are round, heart, square, hexagon, and diamond which can be chosen.

From here on, the attached drawings will be helpful in explaining the invention.

[0010] FIG 1 is the squint drawing of the invention, Flowerpot hanger device. FIG 2 is cross-section of the invention, Flowerpot hanger device showing bond conditions. FIG 3 is the enlargement of "A" section of FIG 2. FIG 4 is to explain the major context of the Flowerpot hanger device's bond measures.

[0011] As shown on FIG 1 and 4, the invention, Flowerpot hanger possess frame. The frame is best when produced with various colors of resin plastics or various patterns of ceramics. The frame is manufactured to have joint holes, and the holes let support or sustain holders to be fixed.

[0012] Furthermore, on the top of the upper frame, there is a nail hole drilled in various shapes. As an example, it is best to drill in a snowman shape like shown on FIG 1. using the nail hole the frame can be hung on a nail that has been nailed to walls or poles.

[0013] The frame can be manufactured as a hexagon pole as shown on drawings, but according to needs it can be a flat triangle, heart, pot shaped or all sorts of animals for example tiger, elephant, crane and etc.

[0014] As shown on the drawings, the invention is constructed with a support. The support is fixed to a joint hole to safely set plants in the frame.

[0015] As shown on the drawings, the invention is constructed with a sustain holder. The sustain holder is formed as a circle shape to sustain the upper part and placed on the top side of the support and inserted in the joint hole to be fixed by the method that will be explained later.

[0016] The support and sustain holder should be made with the same material as the frame, but a different material would do just fine. Furthermore, in the drawing the support and the sustain holder were designed as a round shape, but it could be varied as a heart, square, triangle, hexagon, or a diamond to the taste of the purchaser.

[0017] As in the design drawing, the invention is equipped with bond measures. These are the most dis-

tinguishing part of the invention. The bond measure is formed as a rising at the bottom part of the upper support and the sustain holder allowing a bond rising in joint holes on the frame, there is also a bond jaw, on the face of the bond rising, a curved surface at the bottom part of the rising, and a sustain jaw at the end of the curved surface. 5

[0018] Also, on the back of the bond rising, a fixed hole is formed through the frame and on the hole a fixing pin is inserted to make the rising stay fastened inside the joint hole. 10

[0019] To explain the function of the invention by the attachment of the design, the product is for hanging the frame on the nails (not drawn in the design) on walls or poles in or outside of apartments or buildings by using the nail hole. 15

[0020] The device can be fastened by inserting a fixing pin into a fixed hole after inserting bond rising on the bottom of sustains holder and the support. When inserting bond rising in the joint hole, let the support and the sustain holder to meet from bottom to top. That is, use the curved surface naturally to insert the bond rising and after that the bond jaw and sustain jaw keeps the strength to hold the bondage. The bond jaw is contacted at the back of joint hole and the sustain jaw is contacted at the front of the joint hole to sustain stronger. 20 25

Claims 30

1. Frame with joint holes at regular intervals;
 - a support to safely place flowerpots on the upper frame;
 - a sustain holder that enables to sustain the upper part of the pot; risings formed at the lower part of the support and sustain holder, bond risings that goes into joint holes, bond jaws atop, curved surface formed beneath the rising, sustain jaw at the end of the curve, a fixed hole that goes through behind the bond rising, and a fixing pin that goes in the fixed hole to fasten bond rising. 35 40
2. As for the clause 1, the flowerpot hanger device is distinguishable because of the addition of a nail hole for fastening the frame on walls. 45
3. As for the clause 1, the support and the sustain holder were designed to have various shapes for example a heart, square, triangle, hexagon, or a diamond to the taste of the purchaser. 50

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Figure 1

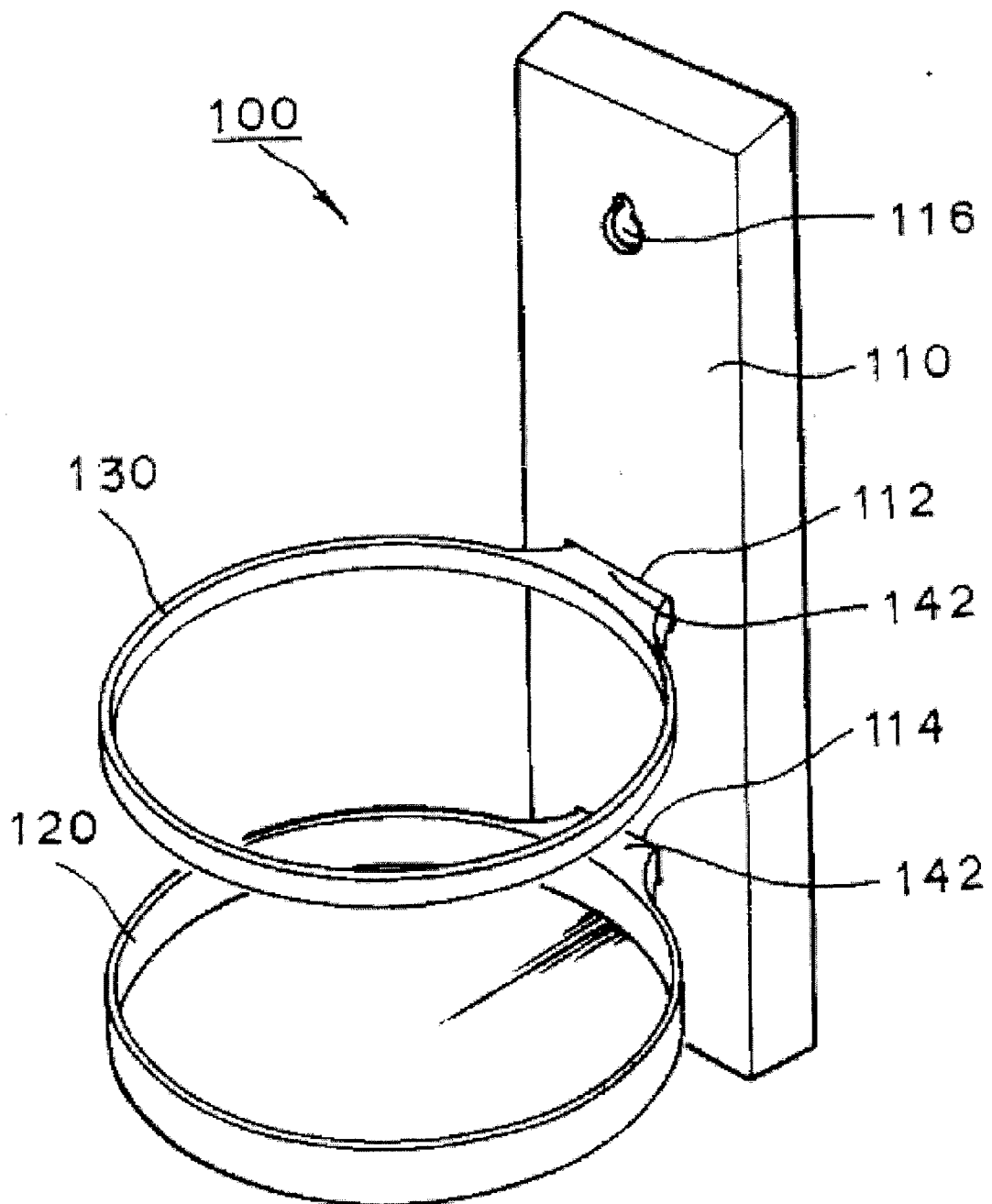


Figure 2

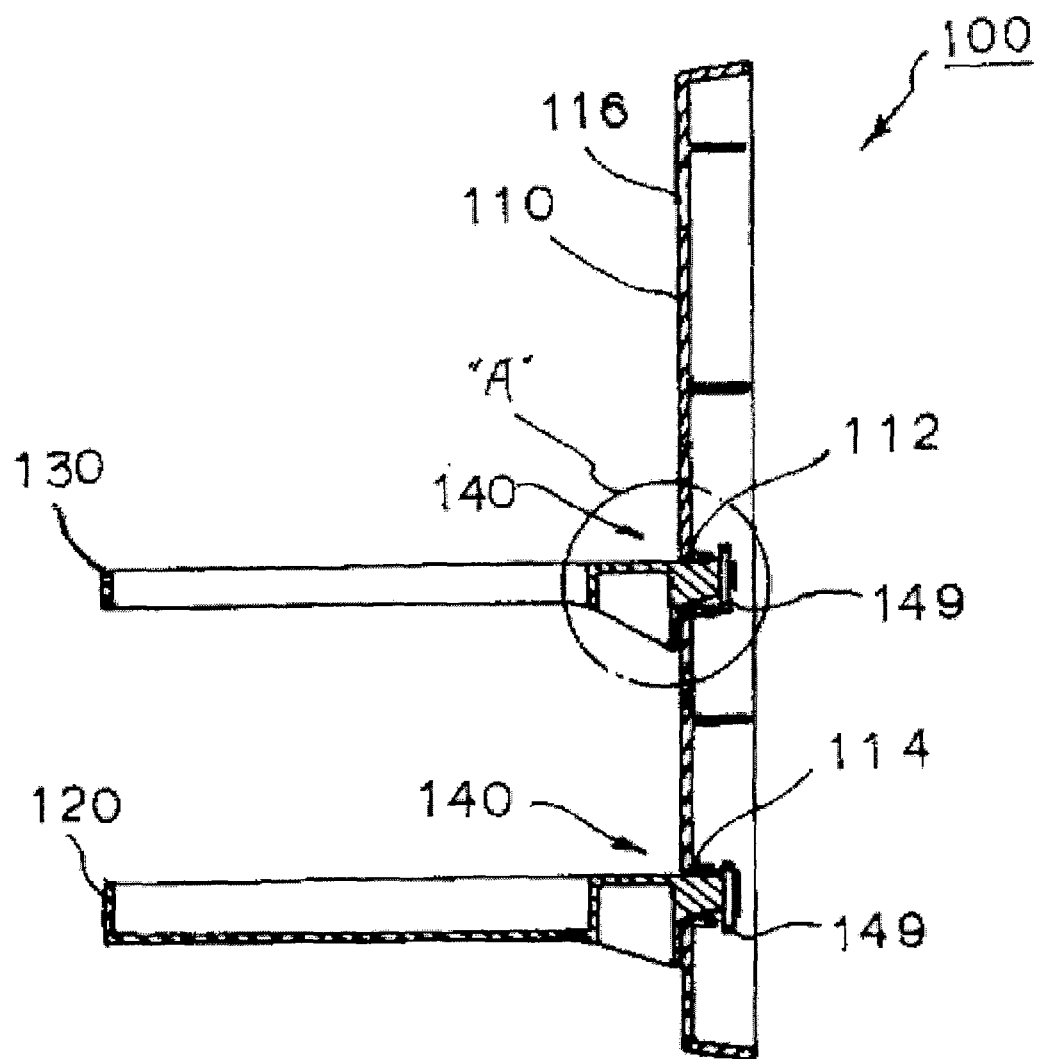


Figure 3

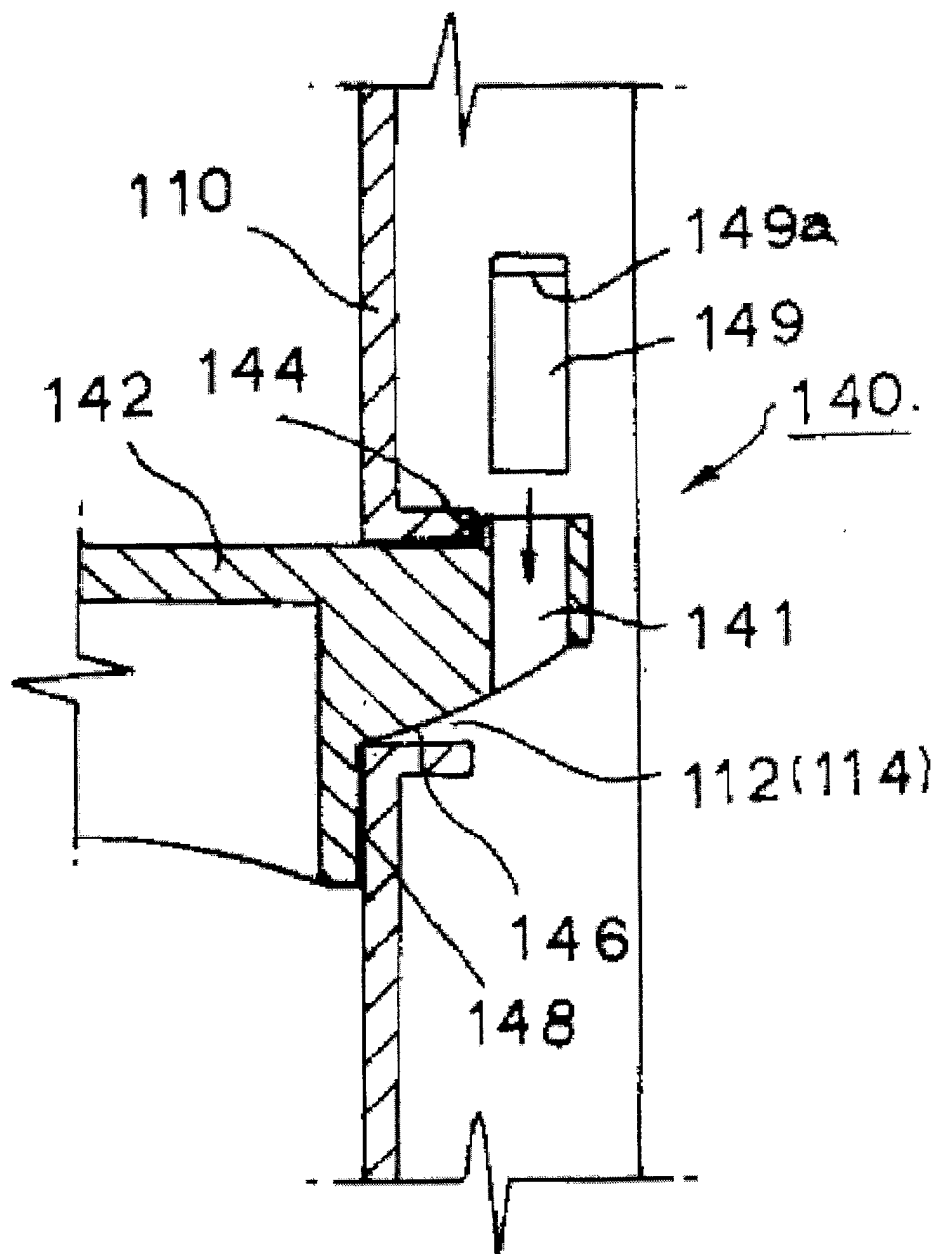
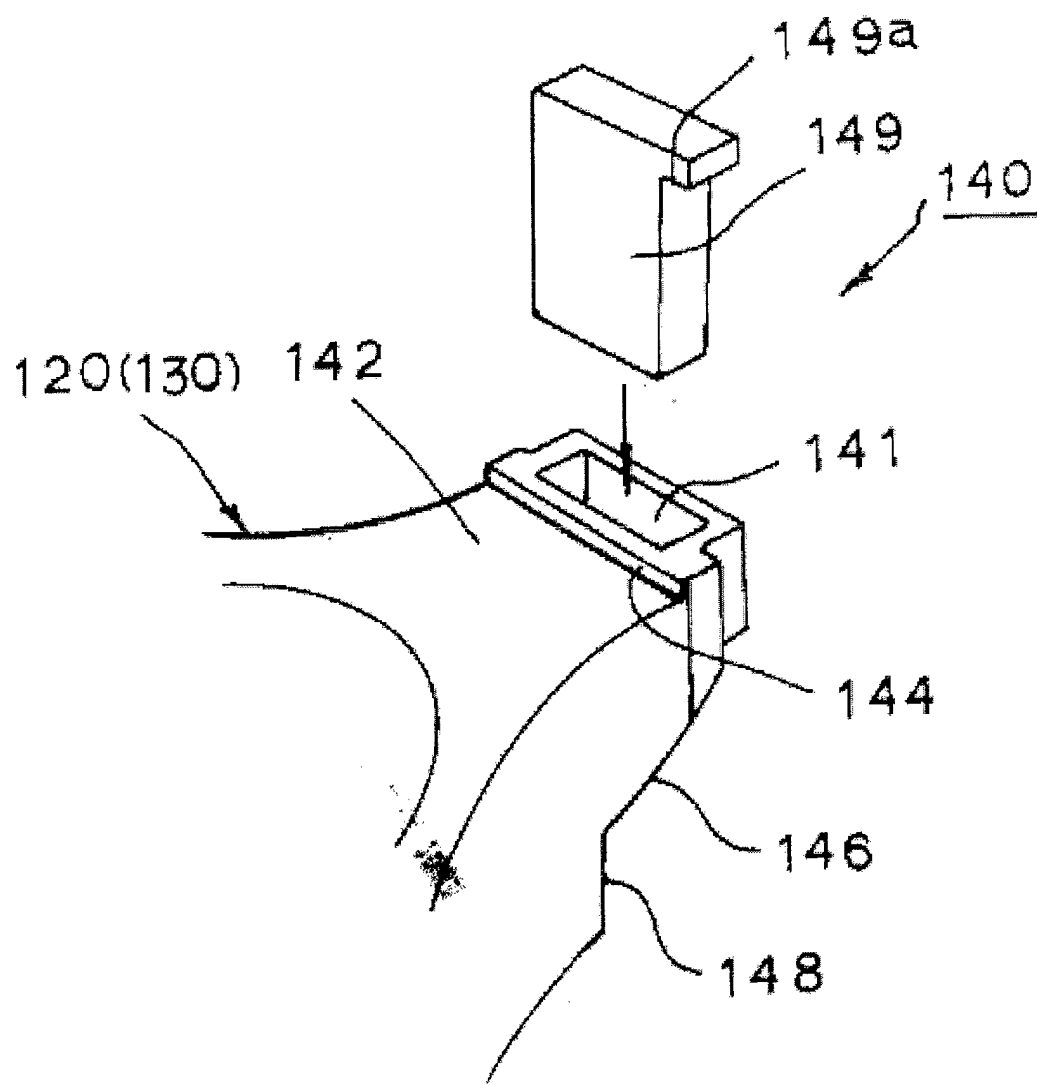


Figure 4





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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 1565

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 2 732 954 A (JANONIS ET AL.) 31 January 1956 (1956-01-31) * figures *	1,2	A47G7/04
A	US 1 930 673 A (CONSOLAZIO) 17 October 1933 (1933-10-17) * figures *	1,2	
A	GB 2 139 086 A (WAVIN BV) 7 November 1984 (1984-11-07) * figure 14 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A47G
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		18 August 2003	Beugeling, G.L.H.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 25 1565

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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18-08-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2732954	A	31-01-1956	NONE		
US 1930673	A	17-10-1933	NONE		
GB 2139086	A	07-11-1984	IE	830855 L	15-10-1984

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