

AUSTRALIA

Patents Act 1952

DECLARATION IN SUPPORT OF A CONVENTION
APPLICATION FOR A PATENT

In support of the Convention application made for a patent for an invention entitled:

APPLIANCE FOR SWIMMING IN THE TRAIL OF A BOAT

I, FRANZ BAUMANN

of Zur Weissen Frau 5, D-5790 Brilin-Rosenbeck, Germany

do solemnly and sincerely declare as follows:--

1. I am the applicant for the patent

~~(or, in the case of an application by a body corporate)~~~~I am entitled to make the application~~ ~~to the patent office~~ ~~of the Federal Republic of Germany~~

2. The basic application as defined by section 141 of the Act was made in of Germany on the 10th day of September, 1987, by me, the said FRANZ BAUMANN

3. I am the actual inventor of the invention referred to in the basic application.

~~(or, where a person other than the inventor is the applicant)~~

3.

of

~~is the actual inventor of the invention and the facts upon which I am entitled to make the application are as follows~~

4. The basic application referred to in paragraph 2 of this Declaration was the first application made in a Convention country in respect of the invention the subject of the application.

~~(or, where a request is made under section 142AA of the Patents Act 1952, for an earlier application made in a Convention country to be disregarded)~~

4.-(1.) The basic application referred to in paragraph 2 of this Declaration was not the first application made in a Convention country in respect of the invention the subject of the application.

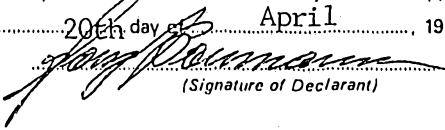
(2.) An earlier application in respect of the invention the subject of the application was made in on

(3.) A request has been made to you under section 142AA of the Patents Act 1952 to disregard that earlier application.

~~(Here set out in succeeding sub-paragraphs the facts that show that section 142AA is applicable)~~

Except as stated in this paragraph, the basic application referred to in paragraph 2 of this Declaration the first application made in a Convention country in respect of the invention the subject of the application.

Declared at Arnsberg, Germany this 20th day of April, 1989


(Signature of Declarant)

TO:

THE COMMISSIONER OF PATENTS.

(IMPORTANT - Cross out inapplicable words in above Form.)

(12) PATENT ABRIDGMENT **(11) Document No. AU-B-23260/88**
(19) AUSTRALIAN PATENT OFFICE **(10) Acceptance No. 605361**

- (54) Title
APPLIANCE FOR SWIMMING IN THE TRAIL OF A BOAT
- International Patent Classification(s)
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- (21) Application No. : **23260/88** (22) Application Date : **16.08.88**
- (87) WIPO Number : **WO89/02391**
- (30) Priority Data
- (31) Number (32) Date (33) Country
8712281 **10.09.87** **DE FEDERAL REPUBLIC OF GERMANY**
- (43) Publication Date : **17.04.89**
- (44) Publication Date of Accepted Application : **10.01.91**
- (71) Applicant(s)
FRANZ BAUMANN
- (72) Inventor(s)
FRANZ BAUMANN
- (74) Attorney or Agent
WATERMARK PATENT & TRADEMARK ATTORNEYS, Locked Bag 5, HAWTHORN VIC 3122
- (56) Prior Art Documents
FR 2467139
US 3107640
- (57) Claim

1. Appliance for swimming in the trail of a boat, characterised by the following features:

- it consists of a board-shaped floating body (10) having a substantially square basic shape with a V-shaped edge formation, a glass panel (12) being inserted in its centre part;
- at each longitudinal side of the floating body (10) there is formed a handle (14) in the shape of an arcuate extension having a handle opening (15) located in front of a transversal axis (19);
- there is provided a coupling rope (16) the ends of which are each fastened laterally to a handle (14) in front of the transversal axis and the middle of which forms a vertex (17) positioned in front of the floating body in the stretched position of the rope.

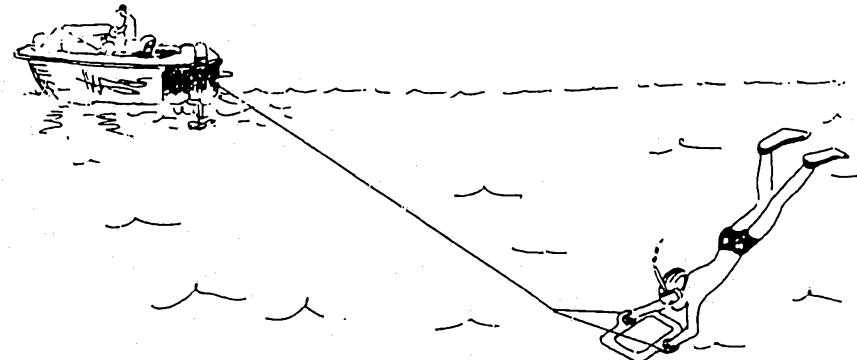
AU-AI-23260/88



PCT

WELTORGANISATION FÜR GEISTIGES EIGENTUM
Internationales BüroINTERNATIONALE ANMELDUNG VERÖFFENTLICHT NACH DEM VERTRAG ÜBER DIE
INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES PATENTWESENS (PCT)

605361

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<p>(21) Internationales Aktenzeichen: PCT/EP88/00729</p> <p>(22) Internationales Anmeldedatum: 16. August 1988 (16.08.88)</p> <p>(31) Prioritätsaktenzeichen: G 87 12 281.2 U</p> <p>(32) Prioritätsdatum: 10. September 1987 (10.09.87)</p> <p>(33) Prioritätsland: DE</p> <p>(71)(72) Anmelder und Erfinder: BAUMANN, Franz [DE/DE]; Zur Weißen Frau 5, D-5790 Brilon-Rösenbeck (DE).</p> <p>(74) Anwälte: FRITZ, Herbert usw.; Mühlenberg 74, D-5760 Arnsberg 1 (DE).</p> <p>(81) Bestimmungsstaaten: AT (europäisches Patent), AU, BE (europäisches Patent), CH (europäisches Patent), DE (europäisches Patent), DK, FI, FR (europäisches Patent), GB (europäisches Patent), IT (europäisches Patent), JP, NL (europäisches Patent), NO, SE (europäisches Patent),</p>		<p>US.</p> <p>Veröffentlicht <i>Mit internationalem Recherchenbericht.</i></p> <div data-bbox="861 672 1276 873" style="border: 1px solid black; padding: 5px; transform: rotate(-2deg);"> amendments made 149 and 150 printing </div> <p style="text-align: right;">A.C.J.P. 25 MAY 1989</p> <div data-bbox="1114 981 1417 1160" style="border: 1px solid black; padding: 10px; text-align: center;"> AUSTRALIAN 17 APR 1989 PATENT OFFICE </div>
(54) Title: APPLIANCE FOR SWIMMING IN THE TRAIL OF A BOAT		
(54) Bezeichnung: GERÄT ZUM SCHWIMMEN IM SCHLEPP EINES BOOTES		
		
(57) Abstract		
<p>An appliance is composed of a board-shaped floating body, basically in the form of a square, with side handles to be gripped by a swimmer. A coupling rope is secured by its ends to each of the side handles, and its vertex is coupled to the trailing rope of a boat. While the boat is moving, the swimmer can move out to the left or to the right by turning or tilting the floating body, in the same way as a water skier, but he can also intermittently plunge underwater. A glass panel allows the swimmer to observe the submarine world.</p>		
(57) Zusammenfassung		
<p>Das Gerät besteht aus einem brett förmigen Schwimmkörper von einer quadratischen Grundform mit seitlichen Griffteilen, wo der Schwimmer anfaßt. Dazu gehört ein Kupplungsseil, dessen Enden jeweils an einem Griffteil befestigt sind und dessen Scheitel am Schleppseil eines Bootes angekuppelt wird. Wenn das Boot fährt, kann der Schwimmer durch eine Drehung oder Schwenkung des Schwimmkörpers wie ein Wasserskiläufer nach links oder rechts ausscheren, aber auch streckenweise tauchen. Dabei hat der Schwimmer durch eine Glasscheibe Einsicht in die Unterwasserwelt.</p>		

- 1 -

"Appliance for swimming in the trail of a boat"

The invention is based on the object to provide a simple appliance by means of which a sport swimmer may swim in the swimming position in the trail of a boat, and while doing so has the possibility to move out to the left and
5 to the right like a water skier and furthermore to swim under water for certain distances.

This object is attained by an appliance having the features of the main claim. The subclaims contain preferred structural details.
10

During use, the appliance is fastened by means of its V-shaped coupling rope at the vertex of the latter to the trailing rope of a boat. The swimmer is drawn by the
15 boat in the wake thereof in the swimming position, the appliance being grasped by his hands laterally at the handles. The floating body has a carrying effect also when the dragging boat does not have any speed. During the course the swimmer has the possibility to veer out to the left or to the right or to dive over certain distances by differently adjusting the floating body, e.g. by
20 pivoting it about the transversal axis or by an inclined position of the longitudinal axis relative to the direction of movement. The transversal distance of the handles of, for example, 70 to 80 cm and the arrangement of the handle
25 openings in front of the transversal axis facilitate the handling for the swimmer. By the fact that the ends of the coupling rope are arranged in front of the transversal axis, the stability of the floating body during the course



is ensured. Furthermore, either above water or below water, the swimmer has the possibility to observe the world below water surface through the glass panel.

5 The following is a description of an embodiment of the invention with reference to the accompanying drawings.

Fig. 1 is a plan view of the appliance according to the invention;

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Fig. 2 is a section on the line II-II of Fig. 1;

Fig. 3 is a section on the line III-III of Fig. 1;

15 Fig. 4 shows the use of the appliance according to the invention.

The appliance basically has the shape of a flat board of a floatable material with a square or approximately square basic form. In the centre part, there is inserted a transparent glass panel 12. At its both longitudinal sides the floating body is arcuately extended in such a manner that handles 14 are formed which each have a handle opening 15. The handle openings 15 are in each case provided in front of a transversal axis 19 in the middle of the longitudinal sides. A handle depression 15a is associated with each handle opening 15 behind the transversal axis 19.

20 Due to flow-line reasons, the leading edge 13 and also the trailing edge 13a of the floating body are formed V-shaped. This shape also extends over the handles 14.

25 For the purpose of coupling the floating body to the trailing rope of a boat, there is provided a coupling rope 16. The ends of the rope are each fastened to screws which



in their turn are laterally mounted at the handles 14 and project therefrom, these screws being provided in the region of the handle openings 15, i.e. in front of the transversal axis 19. The coupling rope 16 is dimensioned such that it assumes a V-shaped form in the stretched condition, the vertex 17 lying in front of the floating body. There, the trailing rope of the boat is fastened.

Fig. 4 shows the use of the appliance. The swimmer grasps the appliance in the swimming position at the handles 14 and has himself dragged by the boat at an appropriate and not very high speed. He has the possibility to adjust the position of the floating body in such a manner that he may move out to the left or to the right in the swimming position like during water-skiing. Additionally there exists the possibility of diving over certain distances in that the swimmer adjusts the leading edge of the floating body in such a manner that it is inclined downwardly.

Also in the position of rest, the appliance is floating flatly on the water surface and offers the possibility of observing the world below water surface through the glass panel without being disturbed by wave motions.



Claims:

1. Appliance for swimming in the trail of a boat, characterised by the following features:

- 5 - it consists of a board-shaped floating body (10) having a substantially square basic shape with a V-shaped edge formation, a glass panel (12) being inserted in its centre part;
- 10 - at each longitudinal side of the floating body (10) there is formed a handle (14) in the shape of an arcuate extension having a handle opening (15) located in front of a transversal axis (19);
- 15 - there is provided a coupling rope (16) the ends of which are each fastened laterally to a handle (14) in front of the transversal axis and the middle of which forms a vertex (17) positioned in front of the floating body in the stretched position of the rope.

20 2. Appliance as claimed in claim 1, characterised in that at each handle behind the transversal axis there is formed a handle depression (15a).

3. Appliance as claimed in claim 1, characterised in that the floating body is reinforced in the region of the glass panel (12) by means of a transverse web (20).



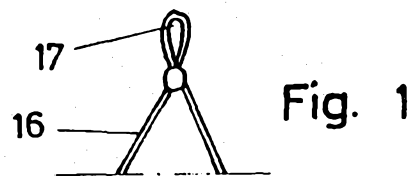


Fig. 2

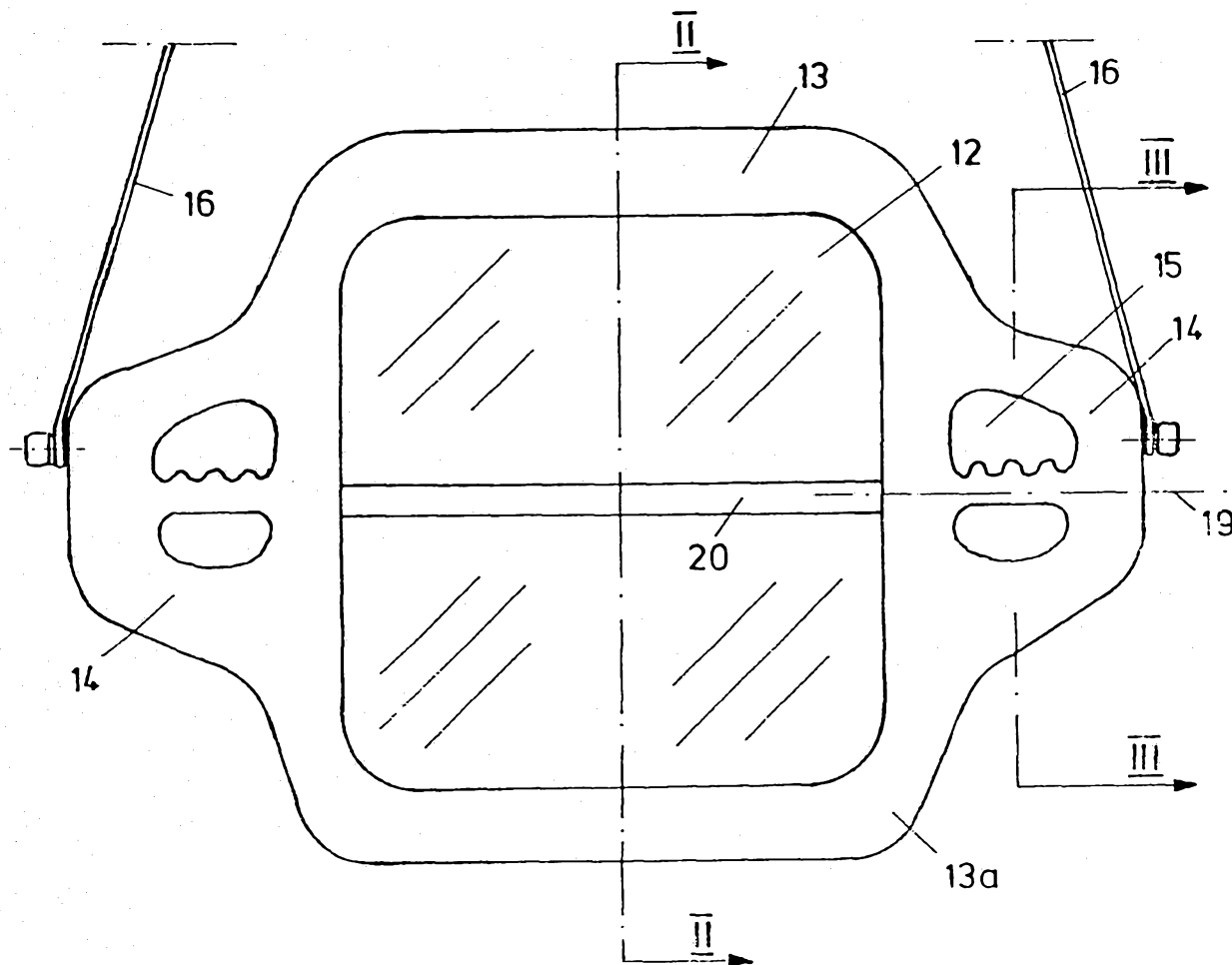


Fig. 3

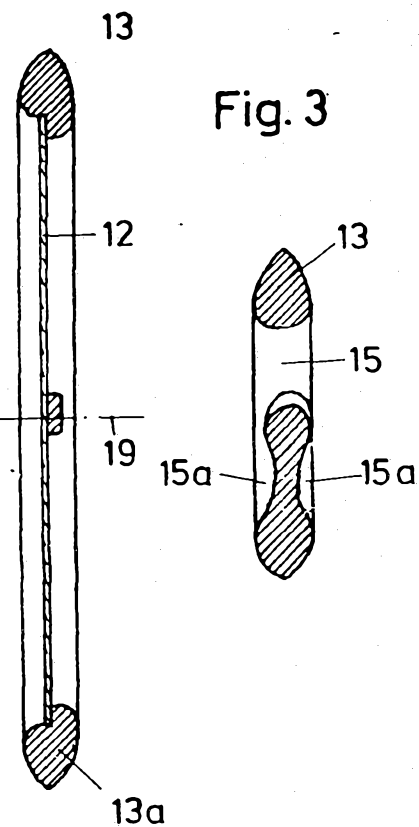
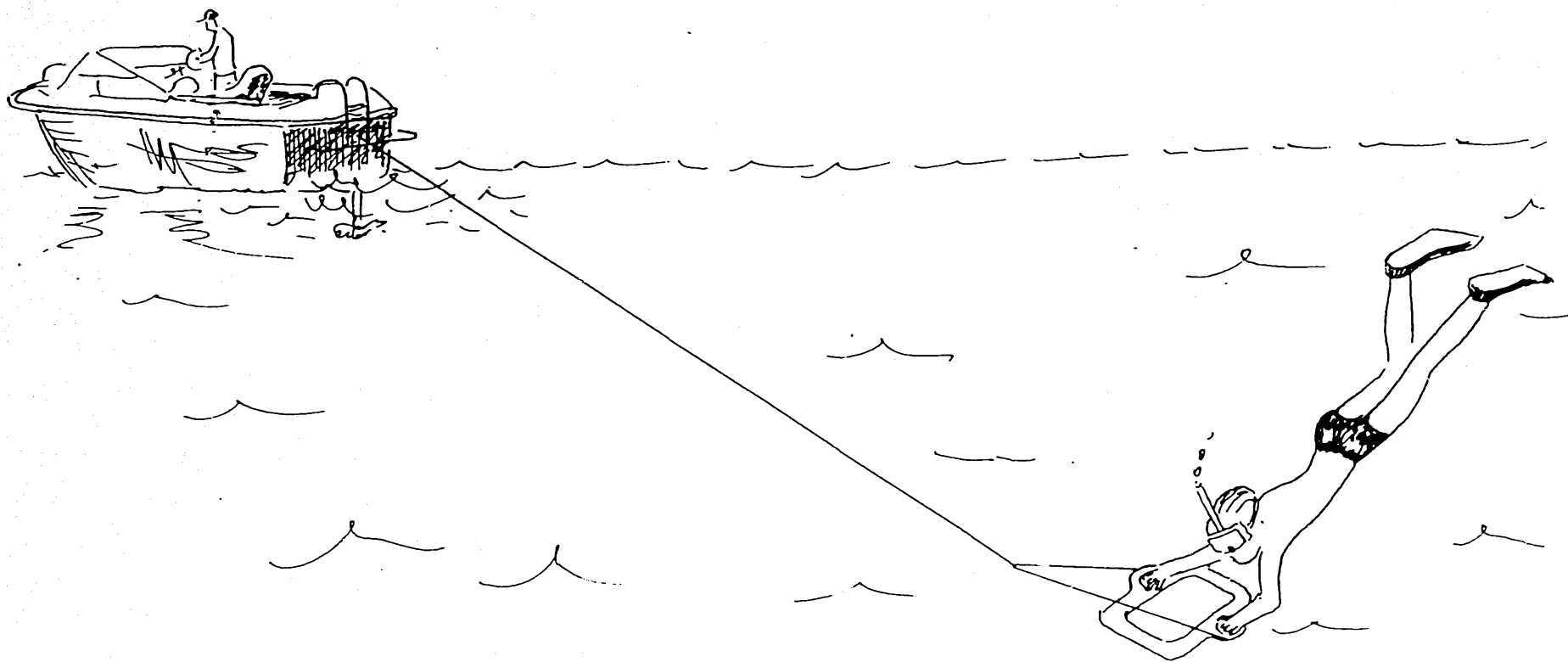


Fig. 4



INTERNATIONAL SEARCH REPORT

International Application No PCT/EP 88/00729

I. CLASSIFICATION OF SUBJECT MATTER (If several classification symbols apply, indicate all) *		
According to International Patent Classification (IPC) or to both National Classification and IPC		
Int. Cl. ⁴ B 63 C 11/46		
II. FIELDS SEARCHED		
Minimum Documentation Searched ⁷		
Classification System	Classification Symbols	
Int. Cl. ⁴	B 63 C	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched *		
III. DOCUMENTS CONSIDERED TO BE RELEVANT ⁹		
Category *	Citation of Document, ¹¹ with Indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³
X	FR, A, 2467139 (DE CANECAUDE) 17 April 1981 see the whole document	1
A	US, A, 3107640 (LEPINE) 22 October 1963 see the whole document	1-3
A	US, A, 3163148 (DUREN) 29 December 1964	1-3
A	US, A, 3039415 (FOSTER) 19 June 1962	
A	US, A, 3084653 (LEPINE) 9 April 1963	

<p>* Special categories of cited documents: ¹⁰</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p>		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report	
07 November 1988 (07.11.88)	28 November 1988(28.11.88)	
International Searching Authority	Signature of Authorized Officer	
EUROPEAN PATENT OFFICE		

ANNEX TO THE INTERNATIONAL SEARCH REPORT
ON INTERNATIONAL PATENT APPLICATION NO.

EP 8800729

SA 23868

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report.
The members are as contained in the European Patent Office EDP file on 18/11/88
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR-A- 2467139	17-04-81		
US-A- 3107640			
US-A- 3163148			
US-A- 3039415			
US-A- 3084653			