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(54) **SURFBOARD**

(57) The present invention relates to a surfboard formed according to a longitudinal configuration of varying widths, comprising an area (1) in the front part and an area (2) in the rear part determining respective transverse widenings with respect to a narrower area (3) of the central part, with a determined ratio between the maximum widths (H1 and H2) of the areas (1 and 2) and the minimum width (H3) of the area (3), as well as a determined ratio of the location of said widths (HI, H2 and H3) with respect to the total length (L) of the board.

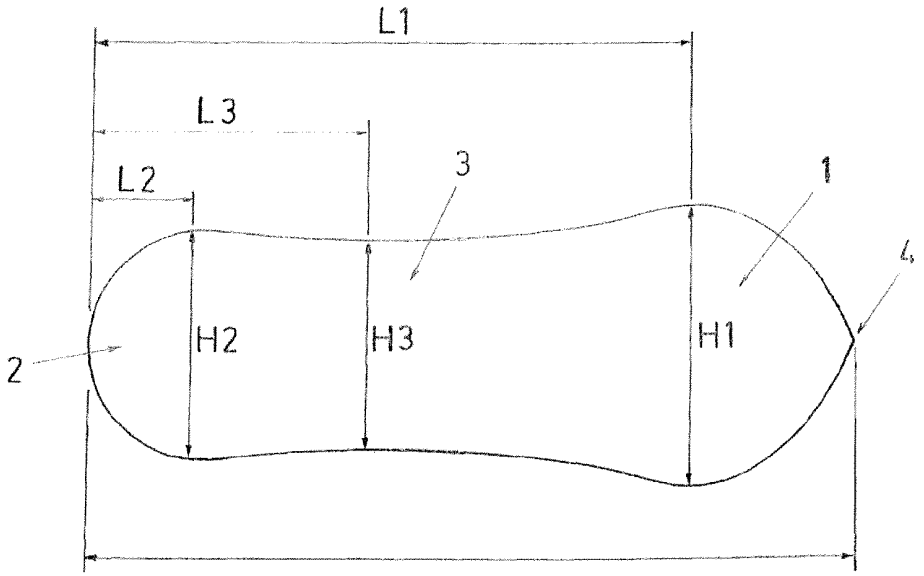


Fig. 2

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## Description

### Field of the Art

**[0001]** The present invention relates to the sporting practice of surfing, proposing a board for this function which optimises the manoeuvrability and glide on water.

### State of the art

**[0002]** Surfing is a sport in which a person glides on water, usually on sea waves, using a board on which the user stands up on to glide on the water.

**[0003]** Surfboards conventionally determine an elongated shape, being able to be flat or with a certain upwards curve at the ends and are usually structurally formed by an inner layer of light plastic material and an outer layer made of fibreglass or a similar material. Said boards can further determine complimentary formations in its configuration, such as fins, etc.

**[0004]** There are a variety of surfboards with those characteristics which differ in their shapes and size according to the particularities of the user, the type of waves which will be practiced on, etc., for adapting to the best manoeuvrability conditions, the surfboards in this sense being of different lengths, with more or less narrow contours, with greater or less curve, or made of different materials but conventionally the general contour is oval.

### Object of the invention

**[0005]** According to the present invention a surfboard is proposed, the configuration of which is defined with features providing optimum manoeuvrability and glide conditions.

**[0006]** This surfboard object of the invention determines a general elongated contour in symmetrical conjunction with respect to the longitudinal shaft, defining in its length a front area and a rear area transversally widened with respect to the central area which defines a narrowing.

**[0007]** The front area or nose is the widest part of the board determining a pointed shape at the end, meanwhile the rear area or tail is of a slightly smaller width, determining a semicircular shape at the end, whereas the central area determines a narrowing which is defined in a progressive way in rounded curve from the aforementioned end areas.

**[0008]** Said proposed surfboard configuration characteristics are provided with particular ratio proportions to one another, achieving an assembly which optimises the function of the board for manoeuvrability and glide on the water in the application use.

**[0009]** The ends of the surfboard can determine a slightly upwards curve at one or both ends, which can vary depending on the characteristics of the user and on the type of waves on which will be practised on.

**[0010]** All in all, the surfboard object of the invention has very advantageous features for use, acquiring its own identity and preferred character for its intended function.

### Description of the Drawings

**[0011]**

Figure 1 shows a side view of the surfboard proposed, according to an embodiment.

Figure 2 is a corresponding plan view with respect to the above figure.

### Detailed description of the Invention

**[0012]** The object of the invention refers to a surfboard, made with a configuration conferring it optimum manoeuvrability and glide characteristics.

**[0013]** The proposed surfboard determines an elongated configuration with symmetry with respect to the longitudinal shaft, having an area (1) in the front part or nose and an area (2) in the rear part or tail, which transversally determine widenings with respect to an area (3) of the central part which is transversally narrower, with rounded contour of progressive curve transitions from the end areas (1 and 2) to the central area (3)

**[0014]** The area (1) of the front part determines at the end a pointed shape (4), from where said area progressively increases in transverse width until a maximum width (H1) which is at a distance (L1) with respect to the rear end of the total length (L) of the board.

**[0015]** The area (2) of the rear part (2) determines a semicircular end contour with a progressive transverse widening until a maximum width (H2) which is at a distance (L2) with respect to the end of the rear contour, this width (H2) being slightly smaller than the maximum width (H1) of the area (1) of the front part.

**[0016]** The area (3) of the central part determines a transverse narrowing with respect to the aforementioned areas (1 and 2) of the front and rear parts, with a minimum width (H3) of said area (3) which is at a distance (L3) with respect to the rear end of the board, this distance (L3) being comprised between 35% and 42% of the total length (L) of the board, preferably being of the order of 38% of said total length (L) of the board.

**[0017]** The distance (L1) of the maximum width (H1) of the front area (1) with respect to the rear end of the board, is located between 76% and 80% of the total length (L) of the board, meanwhile the distance (L2) of the maximum width (H2) of the rear area (2), with respect to the rear end of the board, is located comprised between 15% and 18% of the aforementioned total length (L) of the board.

**[0018]** In addition, the minimum width (H3) of the area (3) of the central part is located between 81% and 85% of the maximum width (H1) of the area (1) of the front part, meanwhile said minimum width (H3) of the area (3) of the central part is located between 93% and 97% of

the maximum width (H2) of the area (2) of the rear part, this width (H2) being comprised between 20% and 23% of the total length (1) of the board.

## Claims

1. A surfboard of the type having an elongated configuration with symmetry with respect to the longitudinal shaft, **characterised in that** it longitudinally determines a configuration of varying widths, with rounded contours and progressive curve transitions between the different widths, comprising an area (1) in the front part and an area (2) in the rear part determining respective transverse widenings with respect to a narrower area (3) of the central part, between the areas of which a ratio of widths is met such that the minimum width (H3) of the central area (3) is comprised between 81% and 85% of the maximum width (H1) of the front area (1) and between 93% and 97% of the maximum width (H2) of the rear area (2), the maximum width (H1) of the front area (1) being located at a distance (L1) from the rear end which is comprised between 76% and 80% of the total length (L) of the board, the minimum width (H3) of the central area (3) at a distance (L3) from the rear end which is comprised between 35% and 42% of the total length (L) of the board, and the maximum width (H2) of the rear area (2) at a distance (L2) from the rear end which is comprised between 15% and 18% of the total length (L) of the board, meanwhile this width (H2) is located comprised between 20% and 23% of the total length (L) of the board.

2. The surfboard according to claim 1, **characterised in that** the minimum width (H3) of the central area (3) is located at a distance (L3) from the rear end of the order of 38% of the total length (L) of the board.

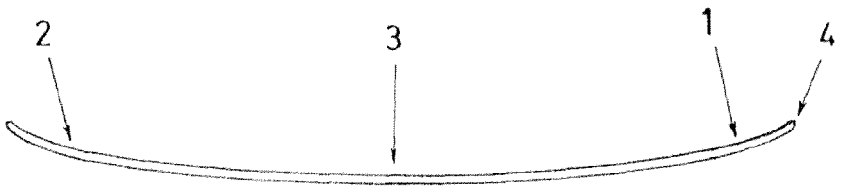


Fig.1

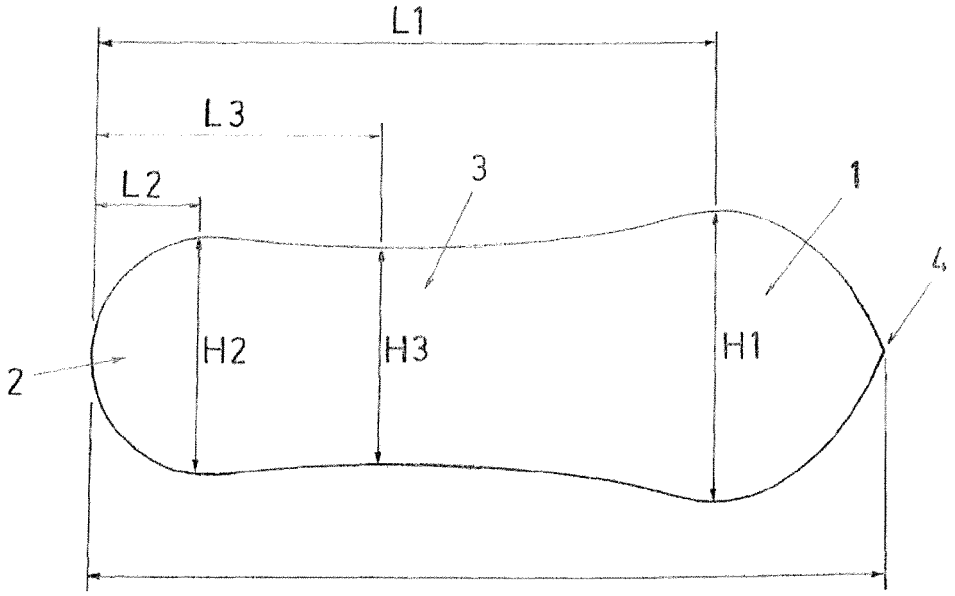


Fig.2