Title (en)
  Flotation device.

Title (de)
  Vorrichtung zum Schwimmen.

Title (fr)
  Dispositif pour flotter.

Publication
  EP 0223488 A2 19870527 (EN)

Application
  EP 86308584 A 19861104

Priority
  • US 79473385 A 19851104
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Abstract (en)
  An inflatable flotation device for use in recreational swimming and in swim training has at least one inflatable chamber (11) and is placed over the hand of the user and then inflated. In one embodiment two adjustably inflatable chambers (11, 12) superimposed one upon another are joined by an airtight seam (27) substantially circumscribing the periphery of the chamber. The two chambers are in mutual fluid communication and a sealed area (17) in one of the two chambers corresponds generally to the location of the user's palm to facilitate bending of the device in the inflated mode. In another embodiment, a single inflatable, flotation chamber has a rigid flange element circumscribing the periphery of the inflatable chamber and a flexible lower sheet attached to the chamber. The inflatable chamber is formed with apertures through which the fingers (38) and thumb (40) of the user may pass, thereby permitting the user to utilize his hand for grasping objects and the like and yet still have the flotation chamber firmly attached thereto. The flange element is tapered so that it is deformed from a planar two-dimensional surface into a curved, three-dimensional surface to form a scoop-like element on the lower side and a curved water run-off channel on the upper side.

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  A63B 31/02

IPC 8 full level
  A63B 31/04 (2006.01)

CPC (source: EP KR)
  A63B 31/04 (2013.01 - EP); **B63C 9/08** (2013.01 - KR); A63B 2225/62 (2013.01 - EP)

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