

Title (en)  
Laterally adjustable wishbones for sailboard rigs.

Title (de)  
Längenverstellbarer Gabelbaum für Surfbretter.

Title (fr)  
Bones de longueur variable pour planche à voile.

Publication  
**EP 0476513 B1 19940803 (DE)**

Application  
**EP 91115410 A 19910912**

Priority  
DE 9013143 U 19900915

Abstract (en)  
[origin: US5193476A] For locking the extension spars 3 to the main spars 1, with a lengthwise adjustment of the wishbone of a sailboard selected in correspondence with the size of the sail, the outer sleeves 9, loosely seated on the extension spars 3, are pushed in the direction of arrow a onto the inner sleeves 5. During placement of the outer sleeves 9, the locking tongues 6 of the inner sleeve 5 are radially compressed by the clamping force exerted on the locking tongues 6 by the placement end 13 of the outer sleeve 9 by way of the clamping beads 7, so that locking ring segments formed at the free ends of the locking tongues 6 engage into the provided peripheral groove 10 of the extension spar 3; the flat annular segments 20 formed on the inside 18 of the teeth 15 of limited resiliency pertaining to the frontal serration 14 at the placement end 13 of the outer sleeve 9 lock behind the clamping beads 7, formed on the inner end sections of the locking tongues 6 at a spacing from the frontal serration 12, and the frontal serrations 12, 14 of the inner sleeve 5 and outer sleeve 9 enter into engagement so that the sleeves are locked together. The release of the locking devices is effected by rotating the outer sleeve 9 whereby the frontal serration 14 at the placement end 13 of the outer sleeve 9 slides out of the frontal serration 12 of the inner sleeve with simultaneous displacement of this outer sleeve in the direction of arrow d and releasing of the annular sections 20 of the teeth 15 at the placement end 13 of the outer sleeve 9 from the clamping beads 7 on the inner sleeve 5, and by simply pulling off the outer sleeve 9 from the inner sleeve 5.

IPC 1-7  
**B63H 9/10**; **B63B 35/79**

IPC 8 full level  
**B63H 9/04** (2006.01); **B63B 35/79** (2006.01); **B63H 9/10** (2006.01)

CPC (source: EP US)  
**B63H 8/21** (2020.02 - EP US)

Cited by  
EP3885588A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**US 5193476 A 19930316**; AT E109417 T1 19940815; CA 2051276 A1 19920316; DE 59102417 D1 19940908; DE 9013143 U1 19910103; DK 0476513 T3 19941227; EP 0476513 A1 19920325; EP 0476513 B1 19940803; ES 2057695 T3 19941016; JP H04230487 A 19920819; JP H07121718 B2 19951225

DOCDB simple family (application)  
**US 75800791 A 19910912**; AT 91115410 T 19910912; CA 2051276 A 19910913; DE 59102417 T 19910912; DE 9013143 U 19900915; DK 91115410 T 19910912; EP 91115410 A 19910912; ES 91115410 T 19910912; JP 23608291 A 19910917