

Title (en)
SWIM FIN HAVING MULTIPLE INTERCHANGEABLE COMPONENTS.

Title (de)
SCHWIMMFLOSSE MIT MEHREREN AUSWECHSELBAREN KOMPONENTEN.

Title (fr)
PALME DE NATATION A ACCESSOIRES MULTIPLES INTERCHANGEABLES.

Publication
EP 0620752 A4 19950222 (EN)

Application
EP 92922914 A 19921026

Priority
US 9209002 W 19921026

Abstract (en)
[origin: WO9409859A1] A swim fin (10) adapted to be worn on a foot of a swimmer including a sole plate (14) having a rear portion (22) and front portion (18). A means for securing the sole plate to the swimmer's foot is provided consisting of a pair of flaps (34) integral with the rear portion (22) of the sole plate (14) plus adjustment straps (42) and a heel strap (46). Also provided are sets of water channeling vanes (58) which may be of many different designs. They may be attached to the upper or lower surface of the sole plate (14) through holes (54). The preferred embodiment further includes a fin extention (90) for attachment to the outer end (18) of the sole plate (14) and a speed pod (98) for attachment to the center of the underside (30) of the sole plate (14). Additionally, the modular components of the invention may be provided in kit form with a template to determine module fixation.

IPC 1-7
A63B 31/08

IPC 8 full level
A63B 31/08 (2006.01); **A63B 31/11** (2006.01); **F04B 39/00** (2006.01); **F16C 3/22** (2006.01)

IPC 8 main group level
F25D (2006.01)

CPC (source: EP)
A63B 31/11 (2013.01); **A63B 71/0009** (2013.01); **A63B 2208/12** (2013.01); **A63B 2225/09** (2013.01)

Citation (search report)

- [DX] US 4738645 A 19880419 - GAROFALO GIOVANNI [IT]
- [XA] FR 2494588 A1 19820528 - LECAT PIERRE [FR]
- [A] DE 3438808 A1 19860424 - GRIESER CARL JOACHIM
- See references of WO 9409859A1

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
WO 9409859 A1 19940511; AU 2903192 A 19940524; DE 69211711 D1 19960725; DE 69211711 T2 19961128; EP 0620752 A1 19941026; EP 0620752 A4 19950222; EP 0620752 B1 19960619; ES 2089575 T3 19961001; JP 3229322 B2 20011119; JP H07502680 A 19950323

DOCDB simple family (application)
US 9209002 W 19921026; AU 2903192 A 19921026; DE 69211711 T 19921026; EP 92922914 A 19921026; ES 92922914 T 19921026; JP 51098794 A 19921026