

Title (en)
Lace end connection for wakeboard binding

Title (de)
Schnürsenkelhalterung

Title (fr)
Dispositif d'accrochage pour des lacets

Publication
EP 1738664 A1 20070103 (EN)

Application
EP 06116167 A 20060627

Priority
US 69379305 P 20050627

Abstract (en)
The present invention discloses a lace end assembly having a male end connector (106) and a female end connector. The lace end assembly uses an integrated magnet (108) in one connector that interacts with another magnet in the other connector to couple the connectors. The male end connector is adapted to retain a knotted end of a pair of laces (102, 104), such as found in a wakeboard binding. The female end connector is mounted on the wakeboard binding. The male end connector includes a protrusion (107) that houses a first magnet. The female end connector includes a body portion that houses a second magnet. The female end connector also includes a cavity. The cavity receives the male end connector to allow the magnet to align and link magnetically, thus securing the lace ends to the binding.

IPC 8 full level
A43C 7/02 (2006.01); **A43C 7/00** (2006.01); **A43C 9/06** (2006.01); **A44B 99/00** (2010.01)

CPC (source: EP US)
A43B 1/0054 (2013.01 - EP US); **A43C 7/00** (2013.01 - EP US); **A43C 7/02** (2013.01 - EP US); **A43C 9/06** (2013.01 - EP US); **Y10T 24/3703** (2015.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Citation (search report)
• [XA] DE 29921425 U1 20000316 - HARTUNG KATHRIN [DE], et al
• [XA] DE 8130925 U1 19820429
• [XA] US 4967454 A 19901106 - ELIEFF PAUL J [US]
• [A] FR 2833143 A3 20030613 - BENETTON SPA [IT]
• [A] US 6240607 B1 20010605 - MCCRARY PATRINA [US]

Cited by
DE202013003382U1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
US 2006288557 A1 20061228; AU 2006202752 A1 20070118; EP 1738664 A1 20070103; JP 2007007404 A 20070118

DOCDB simple family (application)
US 47512006 A 20060627; AU 2006202752 A 20060627; EP 06116167 A 20060627; JP 2006176723 A 20060627