

Title (en)
BALLISTIC IMPELLER GOLF CLUB

Title (de)
BALLISTISCHES LAUFRAD FÜR EINEN GOLFSCHLÄGER

Title (fr)
CLUB DE GOLF DONNANT UNE IMPULSION BALISTIQUE

Publication
EP 1019156 A4 20001227 (EN)

Application
EP 97949666 A 19971113

Priority
• US 9721828 W 19971113
• US 74667296 A 19961114
• US 80638397 A 19970227

Abstract (en)
[origin: WO9820944A1] A ballistic impeller golf club includes a piston (67) and an explosive charge (117) disposed within the head of the golf club. The piston (67) is adapted to travel outwardly from the club head in response to a rapidly expanding gas produced by the explosive charge. A golf ball, disposed proximate to the club, is struck by the piston, thereby causing the golf ball to travel a predetermined distance.

IPC 1-7
A63B 69/36; **A63B 53/04**; **A63B 69/40**; **A63B 65/12**

IPC 8 full level
A63B 53/04 (2006.01)

CPC (source: EP US)
A63B 53/04 (2013.01 - EP US); **A63B 53/0416** (2020.08 - EP); **A63B 53/0433** (2020.08 - EP); **A63B 60/00** (2015.10 - US)

Citation (search report)
• [XA] US 5522594 A 19960604 - TAYLOR ROY H [US], et al
• [A] FR 1181539 A 19590616
• [A] US 2719716 A 19551004 - SAWTELLE DARWIN L
• See references of WO 9820944A1

Designated contracting state (EPC)
DE ES GB GR IE IT

DOCDB simple family (publication)
WO 9820944 A1 19980522; AU 7178798 A 19980603; CA 2271927 A1 19980522; CN 1237916 A 19991208; EP 1019156 A1 20000719; EP 1019156 A4 20001227; JP 2001509699 A 20010724; TW 526773 U 20030401

DOCDB simple family (application)
US 9721828 W 19971113; AU 7178798 A 19971113; CA 2271927 A 19971113; CN 97199725 A 19971113; EP 97949666 A 19971113; JP 52296398 A 19971113; TW 89212178 U 19971114