

Title (en)
GOLF BALL WITH LUMINESCENT DEVICE

Title (de)
GOLFBALL MIT EINER LEUCHTEINRICHTUNG

Title (fr)
BALLE DE GOLF A DISPOSITIF LUMINESCENT

Publication
EP 1102612 A1 20010530 (DE)

Application
EP 99938357 A 19990727

Priority
• DE 19834607 A 19980731
• EP 9905382 W 19990727

Abstract (en)
[origin: DE19834607A1] The invention relates to a golf ball made of an at least partly transparent material and comprising a luminescent device arranged inside it. To ensure that the luminescent device remains functional for long periods the invention provides for said device to consist of at least one light-emitting diode (2), at least one battery (3), electrical or electronic regulating or control elements (4) and a switch (5) which following a hit or a radio signal activates the luminescent device for a specified period. The luminescent device is encapsulated by injection moulding with a thick, elastic, transparent, spheroid jacket (6) made of a plastic material melting at low temperatures, for example below 160 DEG C and said jacket (6) is enveloped by at least one other layer which forms the outer shell (7) of the golf ball and is made of a transparent plastic material which can be deformed at higher temperatures, for example above 160 DEG C.

IPC 1-7
A63B 37/00; **A63B 43/06**

IPC 8 full level
A63B 37/00 (2006.01); **A63B 37/12** (2006.01); **A63B 43/06** (2006.01)

CPC (source: EP)
A63B 37/0003 (2013.01); **A63B 43/06** (2013.01); **A63B 37/0055** (2013.01)

Citation (search report)
See references of WO 0007676A1

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

DOCDB simple family (publication)
DE 19834607 A1 20000203; CA 2338835 A1 20000217; CN 1316913 A 20011010; EP 1102612 A1 20010530; JP 2002522130 A 20020723; WO 0007676 A1 20000217

DOCDB simple family (application)
DE 19834607 A 19980731; CA 2338835 A 19990727; CN 99810640 A 19990727; EP 9905382 W 19990727; EP 99938357 A 19990727; JP 2000563356 A 19990727