

Title (en)  
METHOD AND APPARATUS FOR MESSAGE DISPLAY ON A GOLF COURSE

Title (de)  
VERFAHREN UND GERÄT ZUR ANZEIGE VON BOTSCHAFTEN AUF EIENM GOLFPLATZ

Title (fr)  
PROCEDE ET APPAREIL D'AFFICHAGE DE MESSAGES SUR UN TERRAIN DE GOLF

Publication  
**EP 0748453 A4 19990602 (EN)**

Application  
**EP 95907943 A 19941230**

Priority  
US 9414439 W 19941230

Abstract (en)  
[origin: WO9621161A1] A method, apparatus, and system is described for displaying a message to a golfer on a golf course. The system includes a number of GPS receivers (22) attached to carts (or hand-held) which display golf information and/or messages. The GPS receiver (22) includes a display (26) which can show the distance to the golf cup or other feature on a golf hole. The display (26) can show a message, such as an advertising message, to the golfer. The message is shown at convenient, nonintrusive times. For example, such messages are shown at predetermined locations on the golf course such as before the first hole, after the last hole, or between the holes. Additionally, such messages can be displayed using location information to determine if the receiver is moving or stopped. Finally, such messages may be displayed based on the activity of the golfer, such as scorecard input or refreshment ordering. In a preferred form, a pen input (28) capable of graphics is used. The system also includes a pro shop monitor (50) where the location of each GPS receiver is shown on the golf course. The pro shop can send messages to all receivers or individual receivers.

IPC 1-7  
**G01S 5/02**; H04B 7/185; A63B 55/00

IPC 8 full level  
**A63B 55/60** (2015.01); **A63B 57/00** (2006.01); **A63B 71/06** (2006.01); **G01S 1/00** (2006.01); **G01S 5/00** (2006.01); **G01S 5/14** (2006.01); **G01S 19/07** (2010.01); **G01S 19/19** (2010.01); **G01S 19/40** (2010.01); **G01S 19/41** (2010.01); **G01S 19/42** (2010.01); **G01S 19/51** (2010.01)

CPC (source: EP US)  
**A63B 24/0021** (2013.01 - EP); **A63B 71/0622** (2013.01 - EP); **A63B 71/0669** (2013.01 - EP); **G01S 5/0027** (2013.01 - EP); **G01S 19/071** (2019.07 - EP US); **G01S 19/19** (2013.01 - EP); **G01S 19/40** (2013.01 - EP); **G01S 19/41** (2013.01 - EP); **G01S 19/42** (2013.01 - EP); **G01S 19/51** (2013.01 - EP); **A63B 2024/0025** (2013.01 - EP); **A63B 2071/0691** (2013.01 - EP); **A63B 2071/0694** (2013.01 - EP); **A63B 2102/32** (2015.10 - EP); **A63B 2220/12** (2013.01 - EP); **A63B 2220/13** (2013.01 - EP); **A63B 2220/14** (2013.01 - EP); **A63B 2220/20** (2013.01 - EP); **A63B 2220/83** (2013.01 - EP); **A63B 2225/50** (2013.01 - EP)

Citation (search report)  
• [YD] US 5364093 A 19941115 - HUSTON CHARLES D [US], et al  
• [YD] US 5326095 A 19940705 - DUDLEY DOUGLAS P [US]  
• [A] GB 2249202 A 19920429 - OSAMU FUKE  
• See references of WO 9621161A1

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

DOCDB simple family (publication)  
**WO 9621161 A1 19960711**; AU 1595795 A 19960724; CA 2184497 A1 19960711; EP 0748453 A1 19961218; EP 0748453 A4 19990602; JP H10500883 A 19980127

DOCDB simple family (application)  
**US 9414439 W 19941230**; AU 1595795 A 19941230; CA 2184497 A 19941230; EP 95907943 A 19941230; JP 52091196 A 19941230