

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
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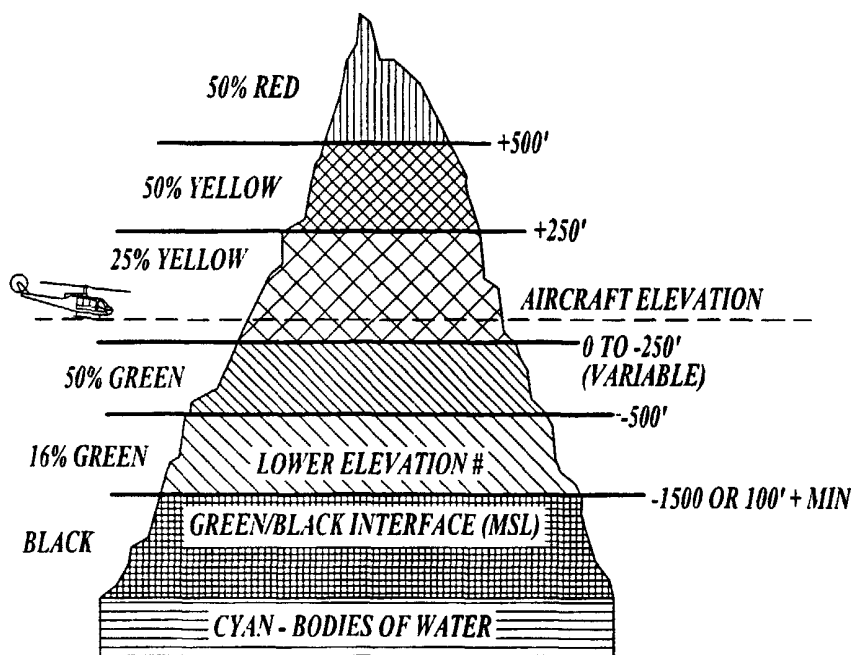
(43) International Publication Date
29 November 2001 (29.11.2001)

PCT

(10) International Publication Number
WO 01/90693 A3

- (51) International Patent Classification⁷: **G01C 5/00**, (74) Agents: **HALSNE, Eric et al.**; Honeywell International Inc., 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US).
G05D 1/06, B64D 45/04
- (21) International Application Number: PCT/US01/17105
- (22) International Filing Date: 25 May 2001 (25.05.2001) (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- (25) Filing Language: English
- (26) Publication Language: English Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (30) Priority Data:
60/207,515 26 May 2000 (26.05.2000) US
60/207,740 26 May 2000 (26.05.2000) US
60/207,998 26 May 2000 (26.05.2000) US
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[US/US]; Law Department, 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07962-2245 (US). 18 April 2002
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT FOR HELICOPTER ENHANCED GROUND PROXIMITY WARNING SYSTEM



(57) Abstract: An apparatus, method and computer program product for alerting rotary wing aircraft of potentially hazardous proximity to terrain also reduces nuisance warnings and provides a terrain display consistent with the unique performance capabilities of such aircraft.



WO 01/90693 A3

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/17105

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01C5/00 G05D1/06 B64D45/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01C G05D B64D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 839 080 A (MULLER HANS R ET AL) 17 November 1998 (1998-11-17) cited in the application the whole document	1-89
A	US 6 043 759 A (OSTROM GARY A ET AL) 28 March 2000 (2000-03-28) cited in the application the whole document	1-89



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Patent family members are listed in annex.

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Date of the actual completion of the international search

19 February 2002

Date of mailing of the international search report

26/02/2002

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INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No

PCT/US 01/17105

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5839080	A	17-11-1998	EP 0842396 A1	20-05-1998
			US 6088634 A	11-07-2000
			US 6219592 B1	17-04-2001
			WO 9705450 A1	13-02-1997
			US 6122570 A	19-09-2000
			US 6292721 B1	18-09-2001
			US 6138060 A	24-10-2000
US 6043759	A	28-03-2000	US 6259379 B1	10-07-2001
			US 5781126 A	14-07-1998