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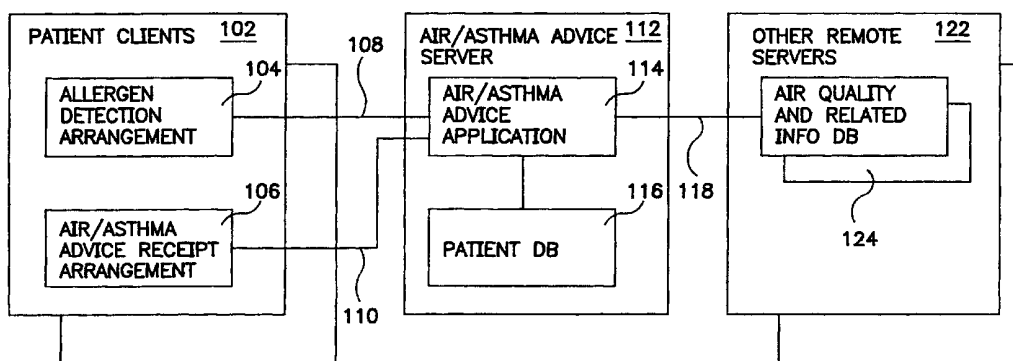
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- (71) Applicant: AIR ADVICE.COM [US/US]; 1727 S.E. 43rd Street, Portland, OR 97215 (US).
- (72) Inventor: SKARDON, John, N.; 14413 N.E. 26th Avenue, Vancouver, WA 98686 (US).
- (74) Agents: AUYEUNG, Aloysius, T., C. et al.; Columbia IP Law Group LLC, 4900 SW Meadows Road., Suite 109, Lake Oswego, OR 97035 (US).
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(54) Title: ALLERGEN DETECTION AND AIR/ASTHMA ADVICE PROVISION



(57) Abstract: A novel air/asthma advice method and apparatus for providing air/asthma advice to an asthma patient, taking into consideration indoor allergen as well as outdoor air quality conditions, is disclosed. Allergen data (preferably for allergen with sizes smaller than 5 microns) for an indoor location (where the asthma patient is situated) are collected, and provided to a geographically removed air/asthma advice server. The server, in turn, retrieves air quality data for a surrounding outdoor area of the indoor location (from either a private or an independent source), and generates an allergen advice response for the asthma patient. The air/asthma advice is generated based at least in part on the received allergen data and the retrieved air quality data. The air/asthma advice may be delivered to the asthma patient in any one of a number of forms (a beeping alert, a pager, fax, email or voice message, and so forth). Various other alterations and modifications under different embodiments are also disclosed.

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# INTERNATIONAL SEARCH REPORT

In: International Application No

PCT/US 00/20356

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06F19/00

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 G06F

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)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 00 65996 A (WIKBERG HARRI ;HEINONEN PEKKA (FI); NOKIA CORP (FI); BLANTS LIOUDM) 9 November 2000 (2000-11-09) abstract; claims 1-34 ---	1-35
P, X	WO 99 46921 A (NOKIA MOBILE PHONES LTD ;OKKONEN HARRI (FI); HEINONEN PEKKA (FI)) 16 September 1999 (1999-09-16) abstract; claims 1-11 page 1, paragraph 3 ---	1-35
X	US 5 827 180 A (GOODMAN DAVID F) 27 October 1998 (1998-10-27) abstract; claim 1; figures 10A-B column 11, paragraph 1 ---	1-35
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Filloy García, E

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**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 704 366 A (SANDERS MATTHEW H ET AL) 6 January 1998 (1998-01-06) abstract; claim 1 ---	1-35
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