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(71) Applicant (for all designated States except US): **SECURELOGIC LTD.** [IL/IL]; P.O.Box 8722, 42505 Netanya (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KOREN, Gary** [IL/IL]; Almog 10, 46920 Arsuf (IL). **DOLEV, Shalom** [IL/IL]; Hadas 3, 52647 Ramat Gan (IL).

(74) Agents: **EITAN, PEARL, LATZER & CO-HEN-ZEDEK** et al.; 2 Gav Yam Center, 7 Shenkar Street, 46725 Herzlia (IL).

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(54) Title: SCREENING SYSTEM FOR OBJECTS IN TRANSIT

(57) Abstract: The present invention relates to the screening of objects in-transit and materials, for security purposes (i.e. explosives detection). The invention provides an adjustable computerized system suitable for use at airports, seaports, land terminals, distribution centers, railway terminals, border crossings or other transit terminals, in order to achieve maximal efficiency and detection reliability, by adjustment of the screening process of any specific object to its risk factor in conjunction with the characteristics of the available in-line detection equipment. The invention provides an automated security inspection and conveying system for in-transit objects, comprising means for identifying the sender of each package and to profile and import the security status data relevant to the object into the system, and a plurality of various security screening machines in combination with conveying and sorting components. The system tracks each package from a reception point through the conveyors and screening machines to reach a sorting junction, via a user-adjustable screening process, the conveying and sorting components being interfaced with the security status data for assigning a risk assessment factor to the object and the sender. Each package is routed via an appropriate number of screening devices, the output of the screening devices being processed and the risk assessment factor being adjusted accordingly, the new risk assessment factor being sent to a control system of the conveying and sorting components.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 7/00
US CL : 700/223; 209/552

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)
U.S. : 700/223; 209/552

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,022,062 A (ANNIS) 04 June 1991, entire document.	
A	US 5,079,714 A (MANDULEY et al.) 7 January 1992, entire document.	
A	US 6,003,010 A (SCOLLY et al.) 14 December 1999, entire document.	
A,E	US 6,584,170 A (AUST et al.) 24 June 2003, entire document.	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Khoi H. Tran

Telephone No. (703) 308-1113