

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
2 March 2006 (02.03.2006)

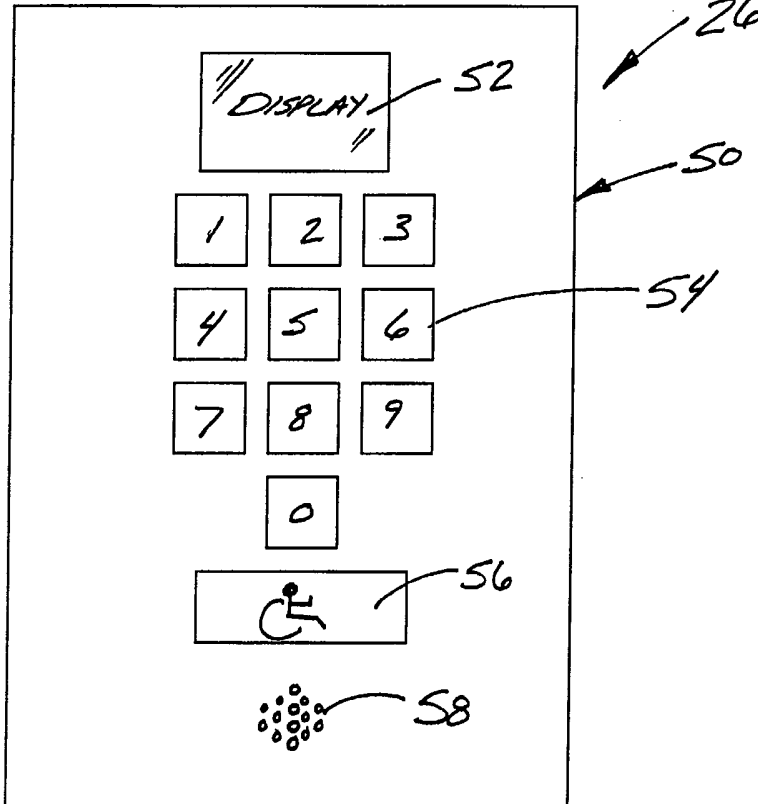
PCT

(10) International Publication Number  
WO 2006/022701 A3

- (51) International Patent Classification:  
B66B 1/34 (2006.01)
- (21) International Application Number:  
PCT/US2004/025853
- (22) International Filing Date: 10 August 2004 (10.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): OTIS ELEVATOR COMPANY [US/US]; Ten Farm Springs Road, Farmington, CT 06032 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MANGINI, Richard, James [US/US]; 3 Cove Road, Brookfield, CT 06804 (US). STRANIERI, Paul, A. [US/US]; 110 Southdown Drive, Bristol, CT 06010 (US). MONTAGUE, Wade [US/US]; 213 Berlin Street, Southington, CT 06489 (US). ZAHARIA, Vlad [US/US]; 35 Highland Street, Rocky Hill, CT 06067 (US).
- (74) Agent: GASKEY, David, J.; Carlson, Gaskey & Olds, 400 West Maple Road, Suite 350, Birmingham, MI 48009 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DIRECTIONAL AUDIBLE PROMPTING FOR A DESTINATION DISPATCHING ELEVATOR SYSTEM



(57) Abstract: An elevator system (20) utilizes a destination dispatching technique. A destination entry device (26) includes a passenger interface (50) that facilitates interaction between a visually impaired passenger and the elevator system. In a disclosed example, the passenger interface (50) includes an input portion (54) that allows an individual to enter their desired destination. An output portion (58) includes the ability to provide an audible indication of directions for proceeding from the passenger interface to an assigned elevator car. Example instructions include direction and distance information for proceeding to the assigned elevator car.

WO 2006/022701 A3



**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*

*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.*

**(88) Date of publication of the international search report:**

1 June 2006

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US04/25853

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **B66B 1/34( 2006.01)**  
  
 USPC: 187/391  
 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. : 187/391  
  
 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.
Y	US 2004/0262093 A1 (FORSYTHE et al) 30 December 2004 (30.12.2004), see entire document.	1-15
Y	US 6828918 B2 (BOWMAN et al) 07 December 2004 (04.12.2004), see entire document.	1-15
A	US 6986408 B2 (TAKEUCHI) 17 January 2006 (17.01.2006), see figures 1,3,4.	1-15
A	US 6152265 A (BITTAR) 28 November 2000 (28.11.2000), see figures 1,4.	----- 1-15

Further documents are listed in the continuation of Box C.       See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"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
"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 01 March 2006 (01.03.2006)	Date of mailing of the international search report <b>06 APR 2006</b>
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. (571) 273-3201	Authorized officer <i>Jonathan Salata</i> Jonathan Salata Telephone No. 703-308-0956