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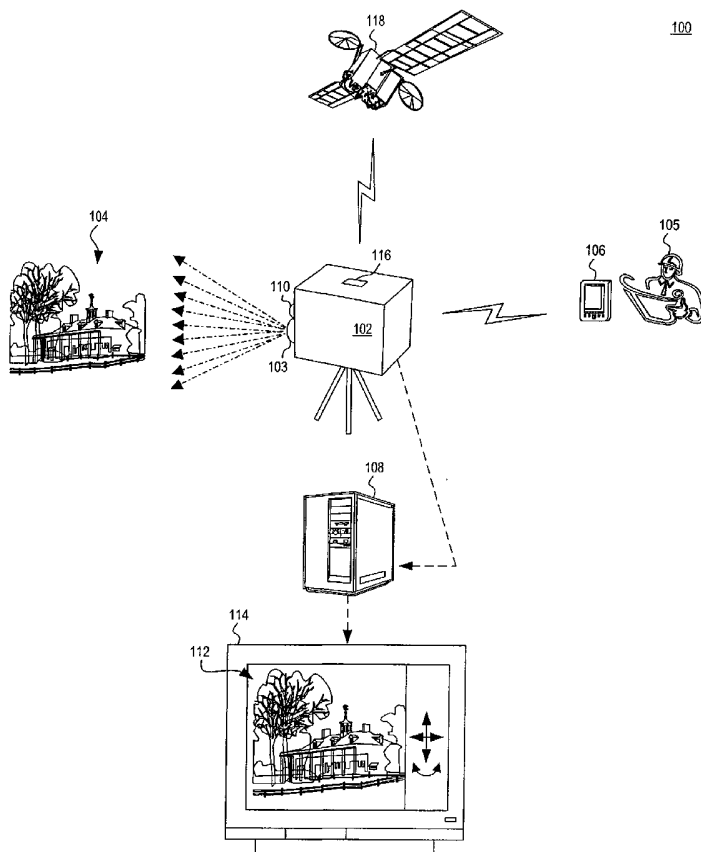
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- (71) Applicant: **E-BUSINESSCONTROLS CORP.** [US/US]; 263 East 1st South, Suite 245, Salt Lake City, UT 84111 (US).
- (72) Inventors: **VASHISTH, Robert**; 334 L Street, Salt Lake City, UT 84103 (US). **JENSEN, James**; 44 North Wolcott
- (74) Agent: **CHRISTENSEN, Kory**; STOEL RIVES LLP, One Utah Center, 201 So. Main Street, Suite 1100, Salt Lake City, UT 84111 (US).
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[Continued on next page]

(54) Title: GPS-ENHANCED SYSTEM AND METHOD FOR AUTOMATICALLY CAPTURING AND CO-REGISTERING VIRTUAL MODELS OF A SITE



(57) Abstract: A system for capturing a virtual model of a site (104) includes a range scanner (102) for scanning the site to generate range data indicating distances from the range scanner to real-world objects. The system also includes a global positioning system (GPS) receiver (116) coupled to the range scanner for acquiring GPS data for the range scanner at a scanning location. In addition, the system includes a communication interface for outputting a virtual model comprising the range data and the GPS data.



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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. : 342/357.13, 357.17, 357.06, 357.14		
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) EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,124,915 A (KRENZEL) 23 June 1992 (23.06.1992), see entire document.	1-63
X	US 5,166,789 A (MYRICK) 24 November 1992 (24.11.1992), see entire document, see Figure 1.	1-63
X	US 5,894,323 A (KAIN et al) 13 April 1999 (13.04.1999), see entire document	1-63
X	US 6,141,091 A (BALL) 31 October 2000 (31.10.2000), see entire document	1-63
Y	US 2001/0010546 A1 (CHEN) 02 August 2001 (02.08.2001), see entire document.	1-63
Y	US 6,215,498 B1 (FILO et al) 10 April 2001 (10.04.2001), see entire document.	1-63
Y	US 6,009,359 A (El-HAKIM et al) 28 December 1999 (28.12.1999), see entire document.	1-63
Y	US 6,064,335 A (ESCHENBACH) 16 May 2000 (16.05.2000) see entire document	1-63
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Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	Gregory C. Issing 	
Facsimile No. (703)305-3230	Telephone No. (703) 308-1113	