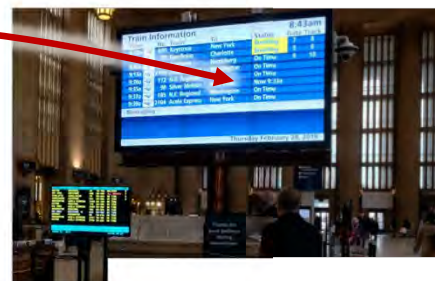
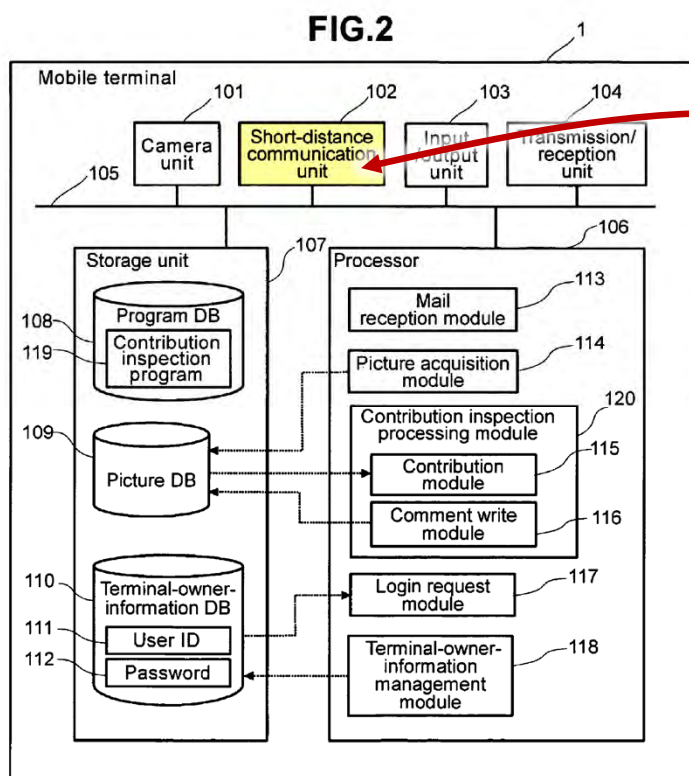


# Technology Background

'38 Patent

Describes an “electronic notice board system” that communicates with nearby mobile terminals via short-distance communication channel



## BACKGROUND OF THE INVENTION

In general, the present invention relates to an information-processing terminal having a communication function and relates to a system for displaying information on a notice board at a request made by the information-processing terminal. More particularly, the present invention relates to an electronic notice-board system having an information-processing terminal in addition to a display apparatus.

'438 Patent at 1:5-12, Fig. 2 (annotations added).

## Disputed Terms

### 38 Patent Claim Construction

**“an input unit for receiving an input entered by a user”**

**“means for selecting an object displayed on said display apparatus”**

**“display apparatus”**

**“adding a comment to contributed data”**

## Disputed Terms

### 38 Patent Claim Construction

**“an input unit for receiving an input entered by a user”**

“means for selecting an object displayed on said display apparatus”

“display apparatus”

“adding a comment to contributed data”

# Claim 1

## 38 Patent

US07116382

(12) **United States Patent**  
Maoka et al.

(10) **Patent No.:** US 7,116,438 B2  
(45) **Date of Patent:** Oct. 3, 2006

(54) **TERMINAL FOR INFORMATION PROCESSING**

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(\* \*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 185 days.

(21) **App. No.:** 10747267

(22) **Filed:** Dec. 30, 2003

(65) **Prior Publication Data**  
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(30) **Foreign Application Priority Data**  
May 22, 2003 (JP) 2003-144259

(51) **Int. Cl.**  
G06F 15/00 (2006.01)  
G06F 15/12 (2006.01)

(52) **U.S. Cl.** 3501.45, 340/333.06, 362/50, 312/370

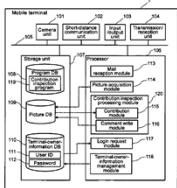
(58) **Field of Classification Search** 361/724-727, 340/333.06, 362/50, 345/81, 312/376, 312/570, 350/115, 116  
See application file for complete search history.

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\* cited by examiner

**Primary Examiner:** Hung Van Thong  
(74) **Attorney, Agent, or Firm:** Mattingly, Stanger, Mahor & Brundage, PC

(57) **ABSTRACT**  
An electronic notice-board system for allowing information to be contributed to an electronic notice board. A first short-distance communication device carries out communication with the mobile terminal located in a predetermined communication range and a second communication device exchanges data with the mobile terminal after the user of the mobile terminal has been authenticated. Similarly, the mobile terminal also has a short-distance communication device for carrying out communication with the electronic notice board located in a predetermined communication range and a second communication device for exchanging data with the electronic notice board after the user of the mobile terminal has been authenticated. Since users of the electronic notice board must be close by, it is possible to avoid improper use of the electronic notice board by any user located a long distance away from the electronic notice board.

7 Claims, 10 Drawing Sheets



1. An information-processing terminal comprising:  
 an input unit for receiving an input entered by a user;  
 a first short-distance communication unit for carrying out a short-distance communication with a display apparatus; and  
 a second communication unit for carrying out a communication with said display apparatus through a network;  
 wherein  
 said first short-distance communication unit using said input, carries out an authentication process for allowance to use said display apparatus;  
 said second communication unit carries out data exchange with said display apparatus if said authentication process is affirmed; and  
 said second communication unit does not carry out data exchange with said display apparatus if said authentication process is not affirmed.

## Dispute: Whether The Claim Term Is Means-Plus-Function



“The standard is whether the words of the claim are understood by persons of ordinary skill in the art to have a sufficiently definite meaning as the name for structure.”

*Williamson v. Citrix Online, LLC*, 792 F.3d 1339, 1349 (Fed. Cir. 2015)

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