ABSTRACT

POSITION INFORMATION AUTHENTICATION SYSTEM, POSITIONING TERMINAL, AND POSITION INFORMATION ACQUISITION APPARATUS

A position information authentication system (1) provided with a positioning terminal (200), an authentication center apparatus (100) and a position information acquisition apparatus (300, 300A), a positioning terminal (200), and a position information acquisition apparatus (300, 300A) are provided. The authentication center apparatus (100) includes a center-side satellite reception portion (110), a center-side authentication data generation portion (122), and an authentication data transmission portion (130). The positioning terminal (200) includes a terminal-side satellite reception portion (230), a key reception portion (211), a terminal-side authentication data generation portion (S54), an authentication determination portion (S56 to S60), an authenticated generation portion (S6 to S10), and a terminal-side transmission portion (212). The position information acquisition apparatus (300, 300A) includes a terminal data acquisition portion (S70, S112), a key acquisition portion (S74, S96), a comparative data generation portion (S78, S100, S102), and a terminal determination portion (S80 to S84, S114 to S120).

FIG. 5

ABSTRACT

POSITION INFORMATION AUTHENTICATION SYSTEM, POSITIONING TERMINAL, AND POSITION INFORMATION ACQUISITION APPARATUS

A position information authentication system provided with a positioning terminal, an authentication center apparatus and a position information acquisition apparatus, a positioning terminal, and a position information acquisition apparatus are provided. The authentication center apparatus includes a center-side satellite reception portion, a center-side authentication data generation portion, and an authentication data transmission portion. The positioning terminal includes a terminal-side satellite reception portion, a key reception portion, a terminal-side authentication data generation portion, an authentication determination portion, an authenticated generation portion, and a terminal-side transmission portion. The position information acquisition apparatus includes a terminal data acquisition portion, a key acquisition portion, a comparative data generation portion, and a terminal determination portion.

FIG. 5