ABSTRACT

FARE REFUND SYSTEM, AND METHOD FOR SAME

Time, cost, and others are reflected in a refund fare. A fare refund system includes: a standard movement pattern generation unit that collects a movement log of a passenger utilizing a transport facility and that generates a standard movement pattern of the passenger on the basis of a normal-time movement log of the transport facility in the collected movement log; a transport failure information acquisition unit that acquires information about a failure influenced area and a failure influenced time band associated with the development of a transport failure by the transport facility; an influence presence/absence determination unit that determines the presence or absence of an influenced movement log in the collected movement log which is the movement log of the passenger in the transport failure area and the failure influenced time band; a loss degree calculation unit that calculates the degree of loss for the passenger associated with the transport failure on the basis of a difference between the standard movement pattern and the influenced movement log when it is determined by the influence presence/absence determination unit that there is the

influenced movement log; and a refund unit that pays back a refund fare corresponding to the calculated loss degree and associated with the development of the transport failure by the transport facility.

FIG. 3