

TITLE: BUTTON-LESS ELEVATOR CONTROL AND ACCESS SYSTEM

Abstract: A concept of operating the group of lifts without the means of physical call panel (2) or registration device (2) both at the lift lobby and inside the lift car (1). Mobiles apps are developed for different platform of OS to allow user to register their destination call through their personal smart phone (3). Each phone has to be registered one time using central management software before it can be used. The registration process will determine the authorized floor for each user. User will walk into the lift lobby (12) and activate the respective application on their smart phone. User will then key-in their current floor level (5). The respective apps will send the current floor level and their registered authorized floor information to the central destination reservation floor system server (8) at the lift machine room via wifi networks (10) using wifi access point (7) located at each floor or via 3G networks (11). After receiving the assigned elevator from the lift management controller (9), DFRS server (8) will send back the assigned lift information back to user's smart phone. User proceeds to the assigned lift and wait for the lift to arrive. When the lift arrived, the destination floor (6) call in the lift car is automatically registered and shown on a registered call display panel. User enters the lift and travel to their destination floor.

Fig 1