

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111038119 A

(19) INDIA

(22) Date of filing of Application :23/08/2021

(43) Publication Date : 03/03/2023

(54) Title of the invention : PASSENGER HEALTH MONITORING AND ASSISTIVE SYSTEM IN PUBLIC TRANSPORT

(51) International classification	:B60W0050000000, G05D0001000000, H04L0012260000, G06F0016903800, H04W0084000000	(71)Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh - 160009, India. Chandigarh India
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Filing Date	:NA	4)SINGH, Jaiteg
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Filing Date	:NA	

(57) Abstract :

The present disclosure provides a passenger health monitoring and assistive system (100) for facilitating resource optimization of public transport and maintaining physical distancing. The system comprises one or more monitoring and assistive assemblies (108), configured to detect identity and health status of the one or more passengers (110) and update medical and travel history of the one or more passengers, records of medical and travel histories being stored in the one or more servers (104) communicatively coupled to the one or more monitoring and assistive assemblies (108) and one or more processing units (102) through a communication network (106). Based on the medical and travel histories and comparison of health status with a set of threshold values, the one or more processing units (102) are configured to optimize seat allocation, the allocated seats pertaining to isolated and group seating facilities. The system is also enabled to sanitize, receive inputs and transmit instructions to the one or more passengers for providing assistance.

No. of Pages : 31 No. of Claims : 8