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Patent Search

Invention Title	System And Method For On-Demand Home Service Booking Platform
Publication Number	20/2026
Publication Date	15/05/2026
Publication Type	INA
Application Number	202641057364
Application Filing Date	06/05/2026
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q 10/02, G06Q 50/12, G06Q 30/06, G06Q 10/10, G06Q 30/02

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Abstract:

The present disclosure relates to systems and methods, and provides an on-demand home service booking platform (100) configured to connect users with local service providers and skilled individuals, allowing users to book services, track service status, and make payments through the platform. The on-demand home service booking platform (100) includes a user module (102), a service provider module (104), and a booking and scheduling system (106) that incorporates a service matching system (108) for automatically assigning a geographically proximate verified professional to a confirmed booking request. The on-demand home service booking platform (100) operates continuously to connect users with local service providers and skilled individuals, thereby providing a trusted, affordable, and efficient home service engagement system accessible across urban, semi-urban, and rural environments.

Complete Specification

Description: TECHNICAL FIELD

[001] The present invention relates to the field of service-based mobile applications and digital marketplaces, and more particularly to an On-Demand Home Service Booking Platform connecting users with skilled professionals such as electricians, plumbers, and technicians through a mobile and web-based system.

BACKGROUND

[002] The field of service-based mobile applications and digital marketplaces has seen significant development in recent years. Platforms that facilitate transactions between service seekers and service providers have emerged across various domains. However, the application of such platforms to the domain of household and maintenance services, particularly in the context of developing economies with large semi-urban and rural populations, has presented persistent technical and operational challenges that conventional approaches have not adequately resolved.

[003] In the domain of home maintenance and repair, individuals seeking skilled professionals for tasks such as plumbing, electrical repairs, appliance servicing, and cleaning have typically relied on word-of-mouth recommendations, local directories, or informal contacts. Such approaches may result in engagements with unverified individuals whose skill levels and reliability cannot be assessed prior to service delivery. The absence of a structured verification mechanism in conventional approaches may expose users to service quality variability and potential security concerns. Furthermore, service providers operating through such informal channels may lack adequate tools for managing their service engagements efficiently.

[004] Conventional service-booking systems, where they exist, typically suffer from an inability to assign professionals based on geographic proximity in real time, thus resulting in delays and increased service costs. The absence of automated, proximity-based matching between user requests and available professionals may lead to

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Page last updated on: 26/06/2019