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Patent Search

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| Invention Title | Markerless Augmented Reality Dining System with Web-Based Implementation for Enhanced Interaction and Order Placement in Resta |
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Abstract:

ABSTRACT: This invention makes a web-based system wherein markerless augmented reality supports restaurant dining. A diner can view 3D models of dishes at her mobile browser with the help of the application software and place orders directly within the platform. It provides restaurants with real-time monitoring of menu management. Combining AR in web accessibility, this invention tends to make dining more interactive, efficient, and even satisfying for both customers and restaurar

Complete Specification

Description: PREAMBLE TO THE DESCRIPTION:

Provisional:

The invention described here aims to introduce a novel approach to enhance the restaurant dining experience.

Complete:

The invention is specifically outlined here, along with the method and process through which it is executed:

This invention, called ARomaDine, is a unique dining system that uses markerless augmented reality (AR) to create an engaging restaurant experience. The system enables customers to view virtual 3D food items placed directly on their dining tables. It achieves this without requiring physical markers or extra devices, making the process seamless and straightforward.

The system operates on a web-based platform, making it accessible via any AR-enabled device's browser. This eliminates the need for downloading or installing additional applications, making it more user-friendly. Among its standout features is the ability to interact with 3D models of dishes. Users can rotate, resize, or adjust the position of these models on their table to better understand the meal they are about to order.

Furthermore, the system is designed to work effortlessly with the restaurant's backend systems. It supports features like live menu updates, inventory monitoring, and order management. Customers can explore the menu, preview dishes using AR, and place their orders directly through the interface, simplifying the dining process and reducing reliance on waitstaff.

This innovation not only elevates customer satisfaction by offering a modern and interactive dining experience, but it also optimizes restaurant operations. By inte

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