

A Tabletop Gaming Device for Group Entertainment (VOWA)

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ABSTRACT: A game played on a table or similar surface, usually with counters, balls, or other playing pieces. Often distinguished from card games and sometimes board games and come in many forms. In this study, we introduce new amusement with **US Provisional Patent No. 63123062** and **Turkish Patent Application No. 2022/000008**. This equipment called table volleyball (VOWA) has various advantages over other similar board games, for example, it can be used by the general public of different ages. It is suitable entertainment for mobility, sport, and excitement during the COVID 19 pandemic. VOWA does not require large spaces for use and can be made in different sizes according to consumer needs.

KEYWORDS: Table game, Table volleyball, US patent, Turkish patent.

I. INTRODUCTION

A table game is a "game played on a table or similar surface, usually with counters, balls, or other playing pieces", as opposed to card games and sometimes board games. Table games come in many forms and the term can sometimes seem a bit confusing. However, the technical term refers to games played on a tabletop. Nowadays, the term is a little more varied and has several popular games that can enter as follows [1-2]:

1- **Table football**, also called table soccer is a table-top game that is loosely based on association football (soccer)[3]. The aim of the

game is to move the ball into the opponent's goal by manipulating rods to which figurines are attached. Although rules often vary by country and region when the game is played casually, at a competitive level table soccer is played according to a unified code.

- 2- **The poker table** is undeniably the most popular card game around [4]. Many people play poker both for fun and for the thrill of competition. Poker is a game of chance but there is also a lot of skill involved.
- 3- **Baccarat** is another table game that is very popular [5]. Many people love baccarat so much that they want to be able to play it at home. There are more affordable baccarat table options on the market but many of them would be considered to be baccarat mini-tables.
- 4- **Pinball** is an arcade entertainment machine in which a ball careens around the machine's interior, hitting various lights, bumpers, ramps, and other targets depending on its design [6]. The game's object is to score as many points as possible by hitting these targets and making various shots with flippers before the ball is lost, either through gutters at the sides of the machine or through the lower center "drain" space, usually between the flippers. Most pinball machines use one ball per turn (except during special multi-ball phases), and the game ends when the ball(s) from the last turn is lost.

- 5- **Table tennis**, also known as ping-pong and whiff-whaff, is a sport in which two or four players hit a lightweight ball, also known as the ping-pong ball, back and forth across a table using small solid rackets [7]. The game takes place on a hard table divided by a net.
- 6- **A billiard table** or billiards table is a bounded table on which cue sports are played [8]. In the modern era, all billiards tables (whether for carom billiards, pool, pyramid, or snooker) provide a flat surface usually made of quarried slate, that is covered with cloth (usually of tightly-woven worsted wool called baize), and surrounded by vulcanized rubber cushions, with the whole thing elevated above the floor.

This study offers an exciting and inexpensive new game for families and their children during the COVID-19 pandemic. We called it VOWA and the following section shows the method of using VOWA.

II. MATERIAL AND METHOD

In this paper, we introduce a new exciting entertainment for families of different ages wish is called VOWA. The VOWA is an exercise device that has no similar sample and is sponsored by the United States Patent Office and the Republic of Turkey for 20 years until 2042. The completed form of VOWA is illustrated in figure 1.



Fig. 1. The final schematic of VOWA

The VOWA is a useful sport to use for various reasons the most important of them are: 1- Due to the prevalence of coronavirus pandemics and the forced and prolonged quarantine of families, their urgent need for mobility, sports, excitement, and happiness is a good alternative to various sports clubs or playgrounds. 2- The audience for this entertainment device is the general public of different ages, including women and children. 3- The VOWA roof is closed. This prevents the ball from being thrown out of space and increases the safety of the game. On the other hand, the ball designed for this game is very light compared to other board games like table football and billiards. 4- It does not have complex technology to build, its construction cost is low, and on the other hand, it does not need to consume external energy such as electricity and batteries. 5- According to people's needs of various sizes to be placed in residential houses, playgrounds, clubs, parks, and student dormitories can be built and supplied. 6- Unlike other board games such as table football, VOWA's playground is designed in such a way that the holes of the playground and a large

number of goals are exchanged to increase the excitement of the game compared to the other games.

This Provisional **US Patent Invention with No. 63123062**, and **Turkish Patent App. with No. 2022/000008** was able to win the British Inventors Gold Award, National Research Council of Thailand Gold Prize, Warsaw Invention Show (IWIS 2020) Silver Medal, TEKNOFEST Certificate (Istanbul 2021) of Turkey, and Zagreb Croatia (ARCA 2020) Gold Medal. Their certificate documents are in an appendix.

III. CONCLUSION

Table games are a class of board games that have different types. Each board game has its own advantages and is chosen for a specific purpose. VOWA has more superiority over other board games and the most important thing is that it can be used for all sexes (male and female) of society in different places.

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Appendix

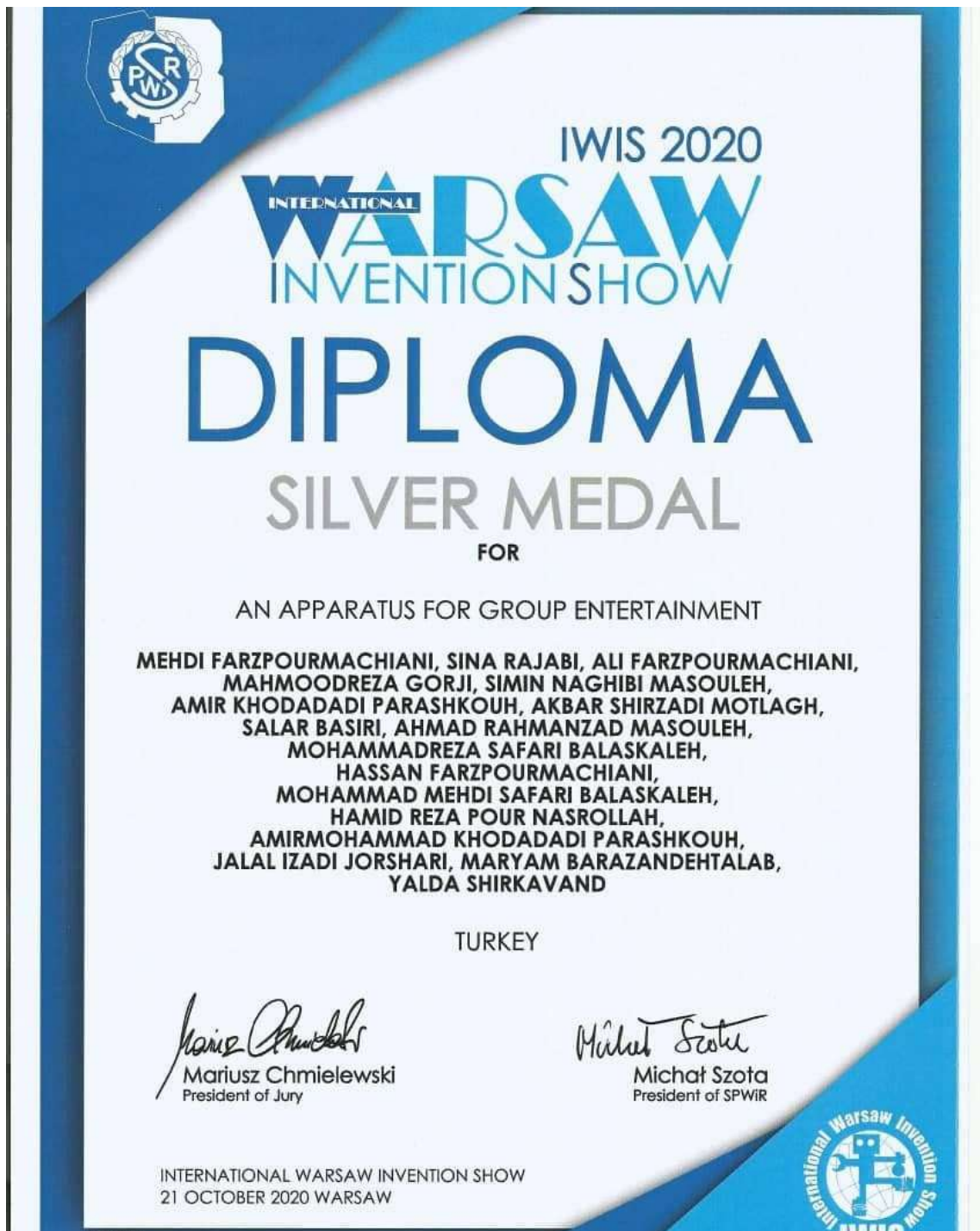
A. British Inventors Gold Award



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