



(11)

EP 4 082 403 B1

(12)

EUROPEAN PATENT SPECIFICATION

(45) Date of publication and mention
of the grant of the patent:
30.10.2024 Bulletin 2024/44

(51) International Patent Classification (IPC):
A47G 19/22 (2006.01) A47G 23/03 (2006.01)

(21) Application number: **21020640.5**

(52) Cooperative Patent Classification (CPC):
A47G 19/2283

(22) Date of filing: **15.12.2021**

(54) **A BEVERAGE CUP AND SAUCER**

GETRÄNKEBECHER UND UNTERTASSE

TASSE ET SOUCOUPÉ

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

(43) Date of publication of application:
02.11.2022 Bulletin 2022/44

(73) Proprietor: **Kütahya Porselen Sanayi Anonim
Sirketi
Merkez Kutahya (TR)**

(72) Inventor: **ÖZGER, Fatih
Kütahya 43100 (TR)**

(74) Representative: **Demirkiran, Hasan
Kordinat Inovasyon ve Fikri Mulkiyet Yonetimi
Ltd.
Sti.
Nispetiye Mah. Nispetiye Cad. No:6 K:2 Etiler
Besiktas
34340 Istanbul (TR)**

(56) References cited:
GB-A- 190 914 236 US-A- 899 811

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

Description

Technical Field

[0001] The invention relates to a beverage cup and saucer that allows the saucer of the product groups used with saucers and the volumes that keep the beverage to be compatible with each other for drinking action.

Background of the Invention

[0002] The harmony between the saucer of the product groups used for drinking and the volumes that keep the beverage is very important in the focus of the user and the producer. Because the width of the cup base and the slot width of the saucer (the part where the cup sits) must be of different sizes. For example, even if a cup and saucer are well designed, there may be a dangerous situation for the user due to the difference between the base size and the slot size.

[0003] The same situation imposes responsibility on the manufacturer. Therefore, the manufacturer must be sure that his product fulfills its function, and that his product will not create a dangerous situation.

[0004] Saucers and cups are produced separately due to the necessity of production methods and skills in product alternatives offered to the user in today's market. While cups are produced by methods such as "turning press", saucers can be produced by methods such as "isostatic press". After these products are baked in the oven, they differ in their shrinkage rates due to their different volumes and sizes.

[0005] The manufacturer has to try many times to solve the problem here. It is obvious that even millimetric differences in production cause some serious problems.

[0006] For example, the saucer or the cup being narrower or wider than the other, the slipping of the products during transportation and the spilling of the liquid inside, and the increase in the possibility of deformations that will prevent the cup from being stable on the saucer.

[0007] For this reason, the diameter, height, and slot of each saucer must be designed separately. This creates an additional workload.

[0008] Regarding the subject in the utility model application TR 2014 11955 in the literature, "Invention; It relates to plates used as coasters for serving water, coffee, and tea cups or glasses. In particular, the invention relates to the fact that it contains a sugar holder and a liquid collection channel to prevent the sugar left on the rim of the glass from getting wet, to prevent the liquid from sticking to the bottom of the glass, and to prevent it from dripping out." statements are included.

[0009] In the mentioned application, a coaster is disclosed that prevents the liquid from sticking to the bottom of the glass in case of liquid spills as a result of the products slipping on the mats during transportation.

[0010] Regarding the subject in the patent application GB190914236A in the literature, "Invention; relates to

cups and saucers for serving tea or hot beverages. In particular, the invention relates to a beverage cup and saucer design that prevents sideways displacement of the cup on the saucer by providing mutually engaging projections and recesses. The saucer has an upstanding boss or projection in the shape of a truncated cone or pyramid, while the cup has a corresponding recess on its underside. This design ensures that the cup remains securely in place on the saucer during use, but can be easily detached for cleaning." statements are included. In the mentioned application, the saucer is meant to hold the cup stable, however does not provide resistance.

[0011] Again, in the patent application numbers US899811A in the literature, "Invention; relates to a cup and saucer design with beveled lugs on the cup and corresponding buttons on the saucer, allowing the cup to be disengageably fastened to the saucer. The cup has a deeper circular flange at the bottom and a hollowed under surface, while the saucer has a flat inside base and a larger external circular flange. This design allows for stable placement of the cup on the saucer without the need for locking mechanisms, and also allows for efficient packing of multiple saucers together." Statements are included. In the application mentioned, a structure is disclosed in the aim of holding saucers together more stable.

[0012] Again, in the utility model application numbered TR 2011 09726 in the literature, "Invention; tea cup, coffee cup, etc. It is a plate used as a base for; It is about preventing liquids such as water, tea, coffee accumulated in the plate from dripping out of the plate by clinging to the bottom of the glass. Provided that they are produced from glass, porcelain, plastic, metal, or any material, ribs and liquid channels are formed to prevent the liquid from accumulating in the dish and coming into contact with the glass." statements are included.

[0013] In the application mentioned, a structure is disclosed that prevents the contact of the liquid with the glass in case of liquid spills as a result of the products slipping on the mats during transportation.

[0014] Again, in the patent application TR 2019 13227 in the literature, "Invention, tea, coffee, mug, etc. It is related to the coasters on which the glasses are positioned during the serving and drinking. The feature of the invention; it is characterized by the presence of protrusions on the surface where the glass is positioned within the body of the base, positioning the glass on these protrusions, and thus, the liquid draining or flowing from the edges of the glass drains to the bottom of the protrusions without touching the bottom of the glass." statements are included.

[0015] In the aforementioned application, a coaster is disclosed, which includes a protrusion that prevents the glasses from contacting the spilled liquid by forming an elevation.

[0016] The mentioned document GB190914236A discloses a beverage cup and saucer according to the preamble of claim 1.

[0017] Due to the disadvantages mentioned above, it

was necessary to introduce a new beverage cup and saucer.

Disclosure of the Invention

[0018] Based on this position of the technique, the aim of the invention is to present a new beverage cup and saucer that eliminates the existing disadvantages.

[0019] Another aim of the invention is to present a structure that eliminates the need for different saucers for each cup of different sizes.

[0020] Another aim of the invention is to provide a structure that allows the profitability rate to be at the maximum level by keeping the product variety at a minimum.

[0021] Another aim of the invention is to present a structure that reduces the workload since separate trials are not made for each cup and saucer.

[0022] Another aim of the invention is to present a structure in which the production of cup sets is made suitable for mass production.

[0023] Another aim of the invention is to present a structure that allows the stock cost to be reduced.

[0024] Another aim of the invention is to present a structure that provides personalized service to the user, with more than one option, by selling separately (cup and saucer separately) in the market.

[0025] Another aim of the invention is to provide a more reliable, quality product and customer satisfaction structure for the customer.

Explanation of Figures

[0026]

Figure - 1 A perspective view of the beverage cup and saucer, which is the subject of the invention, separately.

Figure - 2 Sectional detail view of the combination of the beverage cup and saucer, which is the subject of the invention

Reference Numbers

[0027]

1. Beverage Cup

1.1 Sitting Slot

1.2 Ribbed Cup Base

2. Saucer

2.1 Sitting Protuberance

2.2 Ribbed Saucer Surface

Detailed Description of the Invention

[0028] In this detailed explanation, the innovation that

is the subject of the invention is only explained with examples that will not have any limiting effect for a better understanding of the subject.

[0029] The invention is a beverage cup (1) and saucer (2) that allow the saucer (2) of the product groups used as a saucer (2) for the act of drinking and the beverage cup (1) that keeps the beverage to be compatible with each other characterized in that, comprises the sitting slot (1.1) formed on the underside of the said beverage cup (1) and which ensures that the said beverage cup (1) sits on the saucer (2) and remains stable on it, sitting protuberance (2.1) that helps to grasp the beverage cup (1) by being formed at the middle of the said saucer (2) in male form, exactly opposite of the said seating slot (1.1), the ribbed cup base (1.2), which provides a safe sitting by providing resistance against any external force, thanks to the ribbed structure formed on the entire base of the said beverage cup (1), and the ribbed saucer surface (2.2) which is formed on the saucer (2) in such a way as to provide resistance by sitting on the said ribbed cup base (1.2) and in the same form as the said ribbed cup bottom (1.2).

[0030] In Figure-1 a perspective view of the beverage cup (1) and saucer (2), which is the subject of the invention, is illustrated.

[0031] In Figure - 2, the cross-sectional detail view of the combination of the beverage cup (1) and saucer (2), which is the subject of the invention, is illustrated.

[0032] Beverage cup (1) and saucer (2), which is the subject of the invention, consists the main parts of; the sitting slot (1.1) formed on the underside of the said beverage cup (1) and which ensures that the said beverage cup (1) sits on the saucer (2) and remains stable on it, sitting protuberance (2.1) that helps to grasp the beverage cup (1) by being formed at the middle of the said saucer (2) in male form, exactly opposite of the said seating slot (1.1), the ribbed cup base (1.2), which provides a safe sitting by providing resistance against any external force, thanks to the ribbed structure formed on the entire base of the said beverage cup (1), and the ribbed saucer surface (2.2) which is formed on the saucer (2) in such a way as to provide resistance by sitting on the said ribbed cup base (1.2) and in the same form as the said ribbed cup bottom (1.2).

[0033] On the floor of any beverage cup (1) subject to the invention, the ribbed cup base (1.2) fits perfectly on the ribbed saucer surface (2.2) formed in the same form on the saucer (2), which is standardized according to the diameters of the saucer (2) in the product range. This combination provides resistance against any external force.

[0034] Beverage cups (1) of different sizes can easily sit on the standard size saucer (2) thanks to the ribbed cup base (1.2). Thus, a different saucer (2) is not needed for each beverage cup (1).

[0035] Said ribbed cup base (1.2) is expanded in a maximum way in a minimum area, thereby increasing the contact surface with the saucer (2).

[0036] It offers a safer usage scenario to the user during the act of carrying or drinking.

Claims

1. A beverage cup (1) and saucer (2) that allows the saucer (2) of the product groups used as a saucer (2) for the act of drinking and the beverage cup (1) that keeps a beverage to be compatible with each other, whereby a seating slot (1.1) formed on the underside of the said beverage cup (1) ensures that said beverage cup (1) sits on the saucer (2) and remains stable on it, a seating protuberance (2.1) in male form, formed at the middle of said saucer (2) exactly opposite of the said seating slot (1.1) that helps to grasp the protuberance (2.1) of the beverage cup (1), **characterized by** the cup having a ribbed cup base (1.2) comprising a ribbed structure formed on the entire base of the said beverage cup (1) and the saucer (2) having a ribbed saucer surface (2.2) thereon in the same form as the said ribbed cup base (1.2) in such a way as to provide resistance against said ribbed cup base (1.2) and providing a safe seating by providing resistance against any external force.

Patentansprüche

1. Eine Getränketasse (1) und eine Untertasse (2), die es ermöglichen, dass die Untertasse (2) der Produktgruppen, die als Untertasse (2) zum Trinken verwendet wird, und die Getränketasse (1), die ein Getränk enthält, miteinander kompatibel sind, wobei ein Sitzschlitz (1.1), der an der Unterseite der Getränketasse (1) ausgebildet ist, sicherstellt, dass die Getränketasse (1) auf der Untertasse (2) sitzt und stabil darauf bleibt, eine Sitzausstülpung (2.1) in männlicher Form, die in der Mitte der Untertasse (2) genau gegenüber dem Sitzschlitz (1.1) ausgebildet ist und dabei hilft, die Ausstülpung (2.1) der Getränketasse (1) zu greifen, **dadurch gekennzeichnet, dass** die Tasse einen gerippten Tassenboden (1.2) aufweist, der eine gerippte Struktur umfasst, die auf dem gesamten Boden der Getränketasse (1) ausgebildet ist, und dass die Untertasse (2) eine gerippte Untertassenoberfläche (2.2) aufweist, die in derselben Form wie der gerippte Tassenboden (1.2) ausgebildet ist, so dass sie einen Widerstand gegen den gerippten Tassenboden (1.2) bietet und durch Widerstand gegen jegliche äußere Krafteinwirkung einen sicheren Sitz gewährleistet.

Revendications

1. Un gobelet de boisson (1) et une soucoupe (2) qui

permettent à la soucoupe (2) des groupes de produits utilisés comme soucoupe (2) pour l'acte de boire et au gobelet de boisson (1) qui conserve une boisson d'être compatibles l'un avec l'autre, par lequel une fente d'assise (1.1) formée sur la face inférieure de ladite tasse à boisson (1) assure que ladite tasse à boisson (1) repose sur la soucoupe (2) et y reste stable, une protubérance d'assise (2.1) de forme mâle, formée au milieu de ladite soucoupe (2) exactement à l'opposé de ladite fente d'assise (1.1) qui aide à saisir la protubérance (2.1) de la tasse à boisson (1), **caractérisée par** la tasse ayant une base de tasse nervurée (1.2) comprenant une structure nervurée formée sur toute la base de ladite tasse à boisson (1) et la soucoupe (2) ayant une surface de soucoupe nervurée (2.2) sur celle-ci dans la même forme que ladite base de tasse nervurée (1.2) de manière à fournir une résistance contre ladite base de tasse nervurée (1.2) et fournissant une assise sûre en fournissant une résistance contre toute force extérieure.

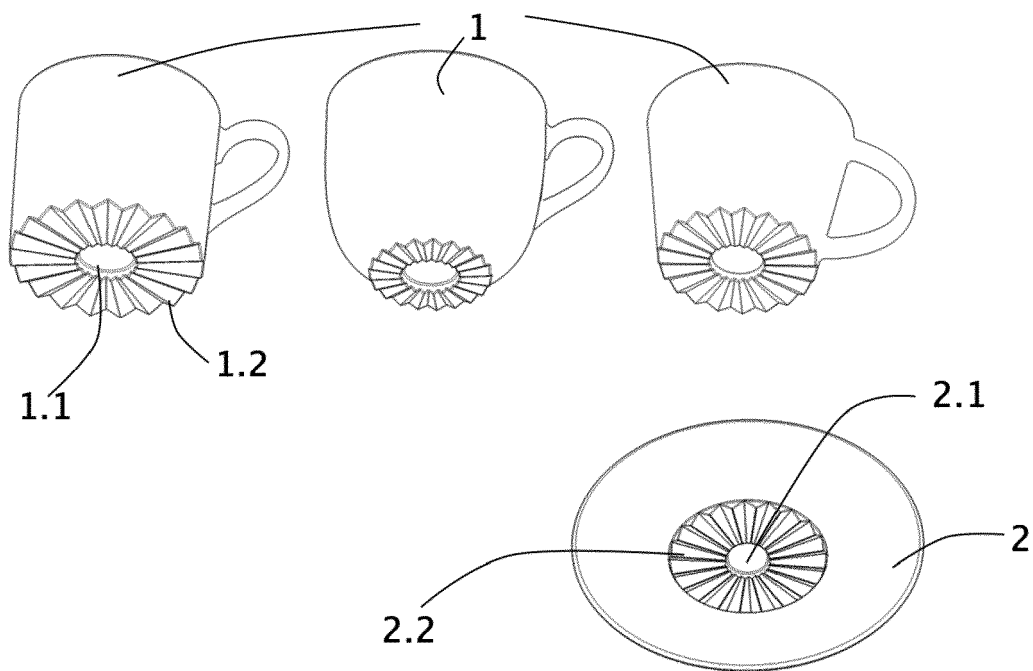


Figure – 1

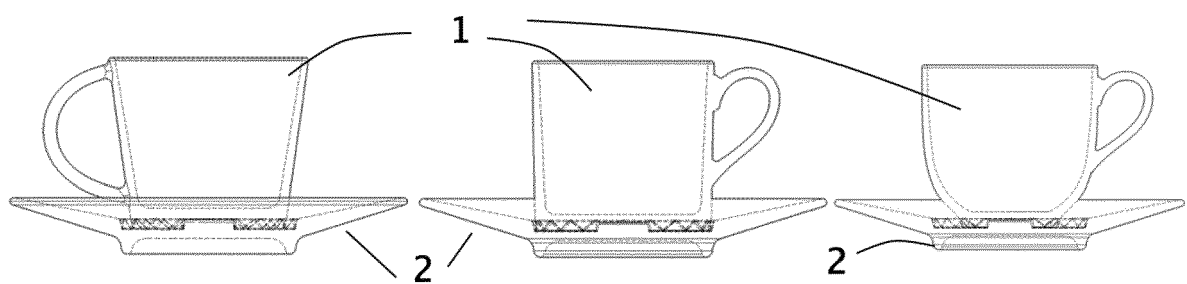


Figure – 2

REFERENCES CITED IN THE DESCRIPTION

This list of references cited by the applicant is for the reader's convenience only. It does not form part of the European patent document. Even though great care has been taken in compiling the references, errors or omissions cannot be excluded and the EPO disclaims all liability in this regard.

Patent documents cited in the description

- TR 201411955 [0008]
- GB 190914236 A [0010] [0016]
- US 899811 A [0011]
- TR 201109726 [0012]
- TR 201913227 [0014]