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**(54) Title (EN):** BEVERAGE RECEPTACLE AND VALVE FOR INJECTION-VIA-BOTTOM BEVERAGE RECEPTACLE

**(54) Title (FR):** RÉCIPIENT DE BOISSON ET VALVE SERVANT À UN RÉCIPIENT DE BOISSON À INJECTION PAR LE FOND

**(54) Title (KO):** 음료 용기 및 하부 주입 음료 용기용 밸브

**(57) Abstract:**

**(EN):** The present invention relates to a beverage receptacle and a valve for an injection-via-bottom beverage receptacle, and particularly to a beverage receptacle and a valve for an injection-via-bottom beverage receptacle, the valve comprising: a cover part for opening and closing an injection port; a blade part arranged on a lower part of the cover part; and an elastic part arranged between the cover part and the blade part and applying elastic force to the cover part in a direction in which the injection port is closed, wherein the elastic part has provided thereto a through-hole into which a nozzle is fitted, and injection holes which communicate with the through-hole, wherein the elastic part is formed from a soft elastic material, and thus the structure of the valve is greatly simplified, thereby enabling the easy washing and drying thereof, thus enabling the prevention of bacterial propagation, and maintenance and repair thereof is easy, and the assembly thereof is easy since the number of components is reduced, and a beverage is prevented from leaking between the nozzle and the valve when injecting same since the nozzle is fitted into the elastic part, and the cover part may be formed so as to maximize watertightness since the cover part does not have to be subject to elastic deformation when injecting the beverage.

**(FR):** La présente invention concerne un récipient de boisson et une valve pour un récipient de boisson à injection par le fond, et en particulier un récipient de boisson et une valve pour un récipient de boisson à injection par le fond, la valve comprenant : une partie couvercle pour ouvrir et fermer un orifice d'injection ; une partie lame disposée sur une partie inférieure de la partie couvercle ; et une partie élastique disposée entre la partie couvercle et la partie lame et appliquant une force élastique sur la partie couvercle dans une direction dans laquelle l'orifice d'injection est fermé, la partie élastique comportant un trou traversant dans lequel est montée une buse, et des trous d'injection qui communiquent avec le trou traversant, la partie élastique étant formée à partir d'un matériau élastique mou. Ainsi, la structure de la valve est considérablement simplifiée, permettant ainsi de la laver et de la sécher facilement, permettant ainsi la prévention de la propagation bactérienne, son entretien et sa réparation sont simples, son assemblage est facile étant donné que le nombre d'éléments est réduit, et la fuite d'une boisson entre la buse et la valve est rendue impossible lors de son injection étant donné que la buse est ajustée dans la partie élastique, et la partie couvercle peut être formée

de façon à optimiser l'étanchéité étant donné que la partie couvercle n'a pas besoin d'être soumise à une déformation élastique lors de l'injection de la boisson.

**(KO):** 본 발명은 음료 용기 및 하부 주입 음료 용기용 밸브에 관한 것으로서, 특히, 주입구를 개폐하는 덮개부와, 상기 덮개부의 하부에 배치되는 날개부와, 상기 덮개부와 상기 날개부 사이에 배치되어 상기 주입구를 폐쇄하는 방향으로 상기 덮개부에 탄성력을 가하는 탄성부를 포함하며, 상기 탄성부에는 노즐이 끼워지는 관통공과, 상기 관통공에 연통되는 주입구멍이 형성되며, 상기 탄성부는 연질의 탄성소재로 형성되어, 밸브의 구조가 극히 단순해져서 세척 및 건조가 용이해져서 세균이 번식하는 것을 방지할 수 있고, 유지보수도 용이해지며, 부품수가 적어져서 조립이 용이해지고, 노즐이 탄성부에 끼워져서 음료 주입시 노즐과 밸브 사이로 음료가 누수되는 것이 방지되며, 음료 주입시 덮개부가 탄성변형되지 않아도 되므로 수밀력이 극대화되도록 상기 덮개부를 형성할 수 있는 음료 용기 및 하부 주입 음료 용기용 밸브에 관한 것이다.

### **International search report:**

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