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(54) Title (EN): CONVEYING SCREW FOR FOOD WASTE DISPOSAL DEVICE

(54) Title (FR): VIS DE TRANSPORT POUR DISPOSITIF D'ÉLIMINATION DE DÉCHETS ALIMENTAIRES

(54) Title (KO): 음식물 쓰레기 처리장치용 이송스크류

(57) Abstract:

(EN): The present invention relates to a conveying screw for a food waste disposal device, which can stir, crush, or cut food waste while conveying the food waste in order to reduce the amount of food waste discharged from households, restaurants, and the like. The conveying screw for a food waste disposal device according to an embodiment of the present invention comprises: a rotary shaft; a conveying screw formed in a spiral shape on the outer circumference of the rotary shaft and comprising rotating spiral blades for stirring, crushing, and cutting food waste while conveying the food waste in one direction; and an outside air supply hole formed through each of the rotating blades so as to supply outside air to the food waste positioned between each adjacent pair of rotating blades and thus discharge water vapor from the food waste through bubble formation.

(FR): Vis de transport pour un dispositif d'élimination de déchets alimentaires, qui peut agiter, broyer ou découper des déchets alimentaires tout en transportant les déchets alimentaires afin de réduire la quantité de déchets alimentaires évacués des maisons individuelles, des restaurants, et analogues. La vis de transport pour un dispositif d'élimination de déchets alimentaires selon un mode de réalisation de la présente invention comprend : un arbre rotatif ; une vis de transport formée selon une forme de spirale sur la circonférence extérieure de l'arbre rotatif et comprenant des pales en spirale rotatives pour l'agitation, le broyage, et la découpe des déchets alimentaires tout en transportant les déchets alimentaires dans une direction ; et un trou d'alimentation en air extérieur formé dans chacune des pales rotatives de façon à apporter de l'air extérieur aux déchets alimentaires positionnés entre chaque paire adjacente de pales rotatives et ainsi évacuer de la vapeur d'eau des déchets alimentaires par formation de bulles.

(KO): 본 발명은 가정집, 음식점 등에서 배출되는 음식물 쓰레기 양을 줄이기 위해 음식물 쓰레기를 이송 도중에 교반, 분쇄 또는 절단시킬 수 있도록 한 음식물 쓰레기 처리장치용 이송스크류에 관한 것으로, 본 발명의 일 실시 예에 의한 음식물 쓰레기 처리장치용 이송스크류는 회전축과, 상기 회전축 외주면에 나선형태를 이루어 형성되고 음식물 쓰레기를 일방향으로 이송시키는 도중에 교반, 분쇄 및 절단시키기 위한 나선형태의 회전날개로 이루어지는 이송스크류 및 상기 회전날개에 관통 형성되고, 이웃한 회전날개와 회전날개사이의 상기 음식물 쓰레기에 외부공기를 공급하여 상기 음식물

쓰레기로부터 기포 생성으로 인해 수증기를 배출하기 위한 외부공기 공급공이 포함된 것을 특징으로 하는 음식물 쓰레기 처리장치용 이송스크류를 제공한다.

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