

Title (en)  
CONVEYOR BOWL, VIBRATORY CONVEYOR DEVICE HAVING THE CONVEYOR BOWL, AND METHOD FOR PRODUCING THE CONVEYOR BOWL

Title (de)  
FÖRDERTOPF, SCHWINGFÖRDERVORRICHTUNG MIT DEM FÖRDERTOPF SOWIE VERFAHREN ZUR HERSTELLUNG DES FÖRDERTOPFES

Title (fr)  
BOL DE DISTRIBUTION, DISPOSITIF DE DISTRIBUTION VIBRANT POURVU DU BOL DE DISTRIBUTION AINSI QUE PROCÉDÉ POUR FABRIQUER LE BOL DE DISTRIBUTION

Publication  
**EP 3999454 A1 20220525 (DE)**

Application  
**EP 20731382 A 20200527**

Priority  
• DE 102019119498 A 20190718  
• DE 2020100448 W 20200527

Abstract (en)  
[origin: WO2021008646A1] Vibratory conveyors move components or materials via oscillations or vibrations, which act on a conveyor construction in which the components or materials are arranged. The object of the invention is to provide a conveyor bowl for a vibratory conveyor device, which has good functional properties and/or can be reproducibly manufactured. In this way, a conveyor bowl (1) for a vibratory conveyor device (7) is proposed, comprising a metal main body (4), wherein the main body (4) has an interface section (5) for coupling to a vibration unit (6) and a conveyor section (9) for conveying and partially orientating conveying parts, wherein the main body (4) consists of stainless steel and is manufactured via primary shaping.

IPC 8 full level  
**B65G 27/02** (2006.01); **B65D 88/66** (2006.01); **B65G 47/14** (2006.01)

CPC (source: CN EP US)  
**B65G 27/02** (2013.01 - CN EP US); **B65G 47/1421** (2013.01 - EP US); **B65G 27/10** (2013.01 - US)

Designated contracting state (EPC)  
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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102019119498 A1 20210121**; CN 113710596 A 20211126; CN 113710596 B 20240319; EP 3999454 A1 20220525; JP 2022541042 A 20220921; US 11905119 B2 20240220; US 2022315346 A1 20221006; WO 2021008646 A1 20210121

DOCDB simple family (application)  
**DE 102019119498 A 20190718**; CN 202080027359 A 20200527; DE 2020100448 W 20200527; EP 20731382 A 20200527; JP 2022503009 A 20200527; US 202017618089 A 20200527