

Title (en)

CAN BODY PRODUCTION METHOD AND CAN BODY PRODUCTION LINE

Title (de)

DOSENKÖRPERHERSTELLUNGSVERFAHREN UND DOSENKÖRPERHERSTELLUNGSLINIE

Title (fr)

PROCÉDÉ DE PRODUCTION DE CORPS DE BOÎTE ET CHAÎNE DE PRODUCTION DE CORPS DE BOÎTE

Publication

EP 4201547 A1 20230628 (EN)

Application

EP 21866351 A 20210712

Priority

- JP 2020152158 A 20200910
- JP 2021026169 W 20210712

Abstract (en)

Provided are a can body production method which is capable of producing a can body in which a coating film is accurately formed in the curved end section of a floor section, and a can body produced via said production method. A can body production method having: a preform can molding step for molding a preform can by molding a dome section which recesses toward the inside of a bottomed cylinder in the floor section of said bottomed cylinder, and also molding a leg section which is ring-shaped and projects toward the side opposite the side toward which the dome section recesses in a manner such that the inner-circumferential section of said leg section is angled relative to the can axis direction with the ground-contacting point of the leg section as the reference point in a vertical cross-sectional view in the can axis direction; a coating step for coating the inner surface and/or the outer surface of the preform can; and a bottom re-forming step for molding a molded can which has a curved end section in the periphery of the dome section, by applying pressure to the inner surface of the dome section of the preform can which has been coated during the coating step.

IPC 8 full level

B21D 22/28 (2006.01); **B21D 51/26** (2006.01); **B65D 1/16** (2006.01); **B65D 1/46** (2006.01)

CPC (source: EP US)

B21D 22/26 (2013.01 - US); **B21D 22/30** (2013.01 - EP US); **B21D 51/26** (2013.01 - EP); **B65D 17/02** (2013.01 - EP); **B21D 51/263** (2013.01 - EP); **B21D 51/2638** (2013.01 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4201547 A1 20230628; **EP 4201547 A4 20240724**; CN 116133769 A 20230516; JP 2022046224 A 20220323; JP 7527905 B2 20240805; TW 202210188 A 20220316; TW I787960 B 20221221; US 2023219127 A1 20230713; WO 2022054391 A1 20220317

DOCDB simple family (application)

EP 21866351 A 20210712; CN 202180061888 A 20210712; JP 2020152158 A 20200910; JP 2021026169 W 20210712; TW 110130531 A 20210818; US 202318114421 A 20230227