

Title (en)

SEAMLESS CAN BODY AND METHOD FOR PRODUCING SEAMLESS CAN BODY

Title (de)

NAHTLOSER DOSENKÖRPER UND VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN DOSENKÖRPERS

Title (fr)

CORPS DE CANETTE SANS SOUDURE ET PROCÉDÉ DE PRODUCTION D'UN CORPS DE CANETTE SANS SOUDURE

Publication

EP 3919200 A4 20221102 (EN)

Application

EP 20749070 A 20200113

Priority

- JP 2019014857 A 20190130
- JP 2019190496 A 20191017
- JP 2020000780 W 20200113

Abstract (en)

[origin: EP3919200A1] [Object]To provide a seamless can body in which the sheet thickness of a raw sheet (blank) is reduced, pressure resistance of a can bottom is enhanced, buckling is restrained, and problems with blacking and cleaning are solved, and a manufacturing method of the seamless can body.[Solving Means]A seamless can body 1 having a tubular body section 10 and a can bottom section 20. The can bottom section 20 includes an outer circumferential bottom section 202a extending from a lower end of the tubular body section 10 such as to decrease in diameter toward the inside and an annular grounding section 202b positioned further inside than the outer circumferential bottom section 202a. In a case where t1 is the sheet thickness of the outer circumferential bottom section 202a and where t2 is the sheet thickness of the annular grounding section 202b, the relation of $t2 > t1$ is satisfied.

IPC 8 full level

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CPC (source: EP US)

B21D 22/30 (2013.01 - EP US); **B21D 51/26** (2013.01 - EP US); **B65D 1/165** (2013.01 - EP US); **B65D 1/46** (2013.01 - EP US)

Citation (search report)

- [XAI] WO 2018070542 A1 20180419 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
- [XAI] US 2016214156 A1 20160728 - PILON BETTY JEAN [CA], et al
- [XAI] US 5540352 A 19960730 - HALASZ ANDREW [US], et al
- [XAI] WO 2018079434 A1 20180503 - TOYO SEIKAN KAISHA LTD [JP], et al
- [XAI] US 2017095852 A1 20170406 - CARSTENS AARON E [US], et al
- See also references of WO 2020158355A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 20749070 A 20200113; CN 202080018253 A 20200113; CN 202410981865 A 20200113; CN 202410981869 A 20200113; JP 2020000780 W 20200113; TW 109101884 A 20200120; US 202017426313 A 20200113