

Title (en)

CAN MANUFACTURING DEVICE, CAN, AND CAN MANUFACTURING TOOL SET

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINER DOSE, DOSE UND WERKZEUGSATZ ZUR HERSTELLUNG EINER DOSE

Title (fr)

DISPOSITIF DE FABRICATION DE BOÎTES, BOÎTE, ET ENSEMBLE D'OUTILS DE FABRICATION DE BOÎTES

Publication

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Application

EP 22161965 A 20180731

Priority

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- JP 2017177917 A 20170915
- EP 18840891 A 20180731
- JP 2018028631 W 20180731

Abstract (en)

An apparatus forming a three-dimensionally shaped portion for applying decoration having at least one of a depressed concave portion and a raised convex portion on a shoulder (3) of a can (1) comprising:an inner roll (1) having a receiver (11 a) for receiving the shoulder (3) from inside; andan outer roll (12) for pressing the shoulder (3) from outside,

IPC 8 full level

B21D 51/26 (2006.01); **B21D 17/04** (2006.01); **B21D 22/02** (2006.01); **B21D 22/08** (2006.01); **B21D 51/38** (2006.01); **B65D 8/04** (2006.01)

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Citation (search report)

- [X] EP 2835188 A1 20150211 - UNIVERSAL CAN CORP [JP]
- [X] US 5727411 A 19980317 - SAKAKIBARA TETSUYA [JP], et al
- [X] US 1463073 A 19230724 - AKEN FELTEN ABRAM VAN
- [I] WO 9820992 A1 19980522 - METAL BOX PLC [GB], et al
- [A] US 5645190 A 19970708 - GOLDBERG NORTON ROBERT [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 4035792 A2 20220803; **EP 4035792 A3 20221102**; CN 110997174 A 20200410; CN 110997174 B 20211214; CN 114194556 A 20220318; CN 114194556 B 20240213; ES 2951558 T3 20231023; WO 2019026898 A1 20190207

DOCDB simple family (application)

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