

Title (en)

Device for making a box of cardboard provided with a layer of thermoplastic material.

Title (de)

Vorrichtung zur Herstellung einer Dose aus kunststoffbeschichtetem Karton.

Title (fr)

Dispositif pour la fabrication d'une boîte en carton pourvu d'une couche en matière thermoplastique.

Publication

EP 0456011 B1 19950301 (DE)

Application

EP 91106086 A 19910417

Priority

DE 4014774 A 19900509

Abstract (en)

[origin: EP0456011A1] A device is provided, with which both end walls are inserted in a sealed manner and using hot air, one of the end walls being provided with an opening which serves as filling opening. <IMAGE>

IPC 1-7

B31B 17/00

IPC 8 full level

B31B 17/00 (2006.01); **B31D 1/00** (2017.01); **B65D 3/04** (2006.01); **B31B 105/00** (2017.01)

CPC (source: EP US)

B31D 1/005 (2013.01 - EP US); **B31B 50/32** (2017.07 - EP US); **B31B 2105/00** (2017.07 - EP US); **B31B 2105/0022** (2017.07 - EP US); **B31B 2110/20** (2017.07 - EP US)

Cited by

EP0916583A2; US7119918B2

Designated contracting state (EPC)

DE FR IT SE

DOCDB simple family (publication)

EP 0456011 A1 19911113; **EP 0456011 B1 19950301**; DE 4014774 A1 19911114; DE 59104741 D1 19950406; JP 3310993 B2 20020805; JP H04229240 A 19920818; US 5135462 A 19920804

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EP 91106086 A 19910417; DE 4014774 A 19900509; DE 59104741 T 19910417; JP 12225491 A 19910423; US 68197391 A 19910408