

Title (en)

A machine for shaping boxes from a heat-weldable material

Title (de)

Vorrichtung zum Formen von Behältern aus wärmeschweisbarem Material

Title (fr)

Machine de façonnage de cartons d'un matériau thermosoudable

Publication

EP 1175996 A3 20020612 (EN)

Application

EP 01119324 A 19970508

Priority

- EP 97500084 A 19970508
- ES 9601041 A 19960509

Abstract (en)

[origin: EP0806290A2] The machine includes means for supply of the unfolded(2) boxes, means of transport picking up the boxes from the means of supply and arranging them in a heating unit, means for immobilizing the unfolded boxes in the heating unit, a box former (14), a treader-former (20) introducing the unfolded box in the former, obtaining the folding of its sides with respect to the base, means of pressing determining the heat welding of the opposite ends of the adjoining sides of the shaped box and means for removing the shaped boxes by the machine.

IPC 1-7

B31B 3/46

IPC 8 full level

B31B 3/44 (2006.01); **B31B 3/46** (2006.01)

CPC (source: EP US)

B31B 50/00 (2017.07 - EP); **B31B 50/592** (2018.04 - EP US); **B31B 50/44** (2017.07 - EP); **B31B 50/46** (2017.07 - EP); **B31B 50/60** (2017.07 - EP)

Citation (search report)

- [A] US 4936815 A 19900626 - KIRKLAND THOMAS R [US], et al
- [A] EP 0436236 A1 19910710 - NORSK HYDRO TECHNOLOGY [NL]
- [A] GB 2268701 A 19940119 - BOIX MAQUINARIA SA [ES]
- [A] US 3602108 A 19710831 - VUILLEUMIER RALPH O, et al
- [A] GB 900118 A 19620704 - JOHN CLELAND & SON LTD

Cited by

EP1787793A3

Designated contracting state (EPC)

AT BE CH DE DK FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0806290 A2 19971112; EP 0806290 A3 19990512; EP 0806290 B1 20020814; AT E222177 T1 20020815; DE 69714641 D1 20020919; EP 1175996 A2 20020130; EP 1175996 A3 20020612; EP 1175996 B1 20030813; ES 2131442 A1 19990716; ES 2131442 B1 20000116

DOCDB simple family (application)

EP 97500084 A 19970508; AT 97500084 T 19970508; DE 69714641 T 19970508; EP 01119324 A 19970508; ES 9601041 A 19960509