

Title (en)

Method and apparatus for erecting and/or folding collapsed boxes

Title (de)

Vorrichtung und Verfahren Aufrichten und/oder Zusammenfallen einer Faltbox

Title (fr)

Méthode et appareil pour l'érection et/ou pour remise à plat de boîtes pliées

Publication

EP 1052087 A3 20011010 (DE)

Application

EP 00250138 A 20000505

Priority

DE 19921006 A 19990506

Abstract (en)

[origin: EP1052087A2] The appts. to set up or collapse a folding box (2) has a clamp (22) to hold the box (2) and mechanisms (28) to fold the fold walls and a swing system (24) to swing the flap walls. The swing units (24) have swing arms (54) to move the folded walls into t upright position. The swing arms (54) grip the walls at the ends away from the base of the box.

IPC 1-7

B31B 5/78

IPC 8 full level

B31B 5/78 (2006.01); **B31B 50/00** (2017.01); **B31B 100/00** (2017.01); **B31B 120/30** (2017.01)

CPC (source: EP US)

B31B 50/00 (2017.07 - EP); **B31B 50/786** (2017.07 - EP US); **B31B 2100/00** (2017.07 - EP); **B31B 2120/30** (2017.07 - EP); **B65B 2220/04** (2013.01 - EP)

Citation (search report)

- [X] DE 4244359 A1 19940630 - SCHNEIDER PETER DIPL ING [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12 25 December 1997 (1997-12-25)

Cited by

DE10252374A1; ITRN20100022A1; EP3744648A1; ITBZ20080045A1; CN113602588A; ITAR20100011A1; BE1029928B1; EP2181841A1; WO2022063371A1; WO2023089474A1

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