

Title (en)

Bag-in-box packaging system for bulk flowable materials

Title (de)

Bag-in-Box-Verpackungssystem für fließfähiges Schüttgut

Title (fr)

Système de conditionnement Bag-in-box pour matériaux fluides en vrac

Publication

EP 2108598 A1 20091014 (EN)

Application

EP 08251361 A 20080408

Priority

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Abstract (en)

A bag-in-box packaging system for bulk flowable materials comprising: a collapsible rigid outer carton of generally rectangular or square cross-section formed from non-laminated corrugated board, the rigid outer carton having four hingedly connected side walls (2S,4S,6S,8S); a collapsible reinforcing inner sleeve formed from non-laminated corrugated board within the rigid outer carton, the reinforcing inner sleeve having four hingedly connected panels (20',20",22',22";30',30",32'32") each with two section (20S',20T',20S",...) to be doubled over at a central fold line to form an inner and an outer layer of four superimposed sections each, within and adjacent the four side walls (2S,4S,6S,8S) of the collapsible rigid carton, and a flexible inner liner within the rigid outer carton and the reinforcing inner sleeve, wherein the reinforcing inner sleeve comprises a first and a second flap (24,34;26,36) hingedly connected to opposite and sections (22S',22T"), corresponding end sections (22S",22T') being shorter than said opposite end sections.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- US 4091923 A 19780530 - COLLINS MICHAEL ALFRED
- US 5788121 A 19980804 - SASAKI HITOSHI [JP], et al
- US 4863021 A 19890905 - CRITTENDEN BRADLEY J [CA]

Citation (search report)

- [A] US 4087041 A 19780502 - CENTANNI MICHAEL J
- [A] US 2007095712 A1 20070503 - MILES DAVID [US]
- [AD] US 4091923 A 19780530 - COLLINS MICHAEL ALFRED

Designated contracting state (EPC)

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Designated extension state (EPC)

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