

Title (en)

Method for bundle packaging a plurality of sheet-like articles, such as disposable sheets, to be singularly torn away

Title (de)

Verfahren zur Bündel-Verpackung einer Vielzahl von blattartigen Artikeln, wie z.B. einzeln abreibaren Wegwerfblättern

Title (fr)

Procédé de regroupement d'une multiplicité d'articles en feuille, tels que des serviettes jetables destinées à être individuellement arraché

Publication

EP 2210845 A1 20100728 (EN)

Application

EP 10151031 A 20100119

Priority

IT FI20090013 A 20090126

Abstract (en)

A method for bundle packaging a number of sheet-like articles (1), comprising the steps of: producing each of the articles with an excess portion (2), with respect to a final use size, defined along a side (2a) of the article; piling the articles so as to form at least one orderly stack (4); folding the stack (4) so as to reduce its size; forming respective pre-cut lines (3) on the articles, one by one before the piling in the stack, or subsequently when the stack has been formed or folded whereby in each article the excess portion (2) is defined between the aforementioned side (2a) and the pre-cut line (3); and making the articles mutually integral in correspondence with the excess portions (2), whereby the articles (1) are singularly adapted to a tear-away extraction along the pre-cut lines (3) leaving the excess portions (2) integral with the stack (4) with the remaining articles. The folding is carried out along folding lines substantially orthogonal to the pre-cut lines (3).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] WO 0247812 A2 20020620 - NEW PIG CORP [US]
- [A] US 2003139275 A1 20030724 - NEUBAUER WILLIAM C [US], et al
- [A] US 2115699 A 19380503 - BOYD LEONARD E

Cited by

GB2578018A; GB2578018B; GB2578017A; US11278165B2; GB2578017B; AU2017415306B2; US11299305B2; WO2018217195A1; WO2018217197A1

Designated contracting state (EPC)

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