

Title (en)  
FILMS, PACKAGING AND METHODS FOR MAKING THEM

Title (de)  
FOLIEN, VERPACKUNGEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
FEUILLES MINCES, EMBALLAGE ET LEURS PROCEDES DE FABRICATION

Publication  
**EP 1480893 A1 20041201 (EN)**

Application  
**EP 03706523 A 20030217**

Priority

- EP 0301572 W 20030217
- GB 0204604 A 20020227

Abstract (en)  
[origin: WO03072454A1] There is described an optionally flexible and/or polymeric packaging film (e.g. BOPP) having at least one tear line (5) and at least one tab (7) thereon, where the tab (7) has a free end, an end attached to the film and free sides connecting the two ends, the tab (7) positioned so the axis of at least one tear line (5) passes through both ends of the tab (7) characterised in that: (a) at least one of the free sides of the tab (7) taper outwardly from the attached end and the tear line (5); and (b) at least one angle theta (theta) is an acute angle greater than about 5° where theta (theta) is defined as an angle subtending the free end of the tab (7) measured between: (i) an axis defined by the average direction of one of the tab (7) sides averaged over a the last quarter of the maximum length of the tab (7) starting from the attached end; and (ii) an axis defined by the average direction of the tear line (5) along the film. A method of preparing such films and packaging articles (such as cigarette cartons) over-wrapped with such films are also described.

IPC 1-7  
**B65D 75/58**; **B65B 61/18**

IPC 8 full level  
**B65D 75/62** (2006.01); **B65B 61/18** (2006.01); **B65D 65/28** (2006.01); **B65D 65/32** (2006.01); **B65D 85/10** (2006.01)

CPC (source: EP KR US)  
**B65B 61/18** (2013.01 - EP US); **B65D 75/58** (2013.01 - KR)

Citation (search report)  
See references of WO 03072454A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**WO 03072454 A1 20030904**; AT E312772 T1 20051215; AU 2003208867 A1 20030909; CA 2476570 A1 20030904; CN 1639024 A 20050713; DE 60302770 D1 20060119; EA 005800 B1 20050630; EA 200401048 A1 20041230; EP 1480893 A1 20041201; EP 1480893 B1 20051214; GB 0204604 D0 20020410; JP 2005518315 A 20050623; KR 20040078169 A 20040908; US 2005061701 A1 20050324

DOCDB simple family (application)  
**EP 0301572 W 20030217**; AT 03706523 T 20030217; AU 2003208867 A 20030217; CA 2476570 A 20030217; CN 03804623 A 20030217; DE 60302770 T 20030217; EA 200401048 A 20030217; EP 03706523 A 20030217; GB 0204604 A 20020227; JP 2003571170 A 20030217; KR 20047013356 A 20030217; US 50260504 A 20040727