

Title (en)

Adhesive multilayered label shrinkable onto the circumferential surface of an object especially a dry battery

Title (de)

Auf die Umfangsfläche eines Körpers einer Trockenbatterie aufgeklebtes, mehrschichtiges Etikett

Title (fr)

Etiquette adhésive à plusieurs couches rétractable sur la surface circonférentielle d'un corps, spécialement d'une batterie sèche

Publication

**EP 0388998 B2 20010117 (DE)**

Application

**EP 90108937 A 19840620**

Priority

- DE 3322309 A 19830621
- EP 84107118 A 19840620

Abstract (en)

[origin: EP0129850A2] An adhesive multilayered label shrinkable onto the circumferential surface of an object, especially a dry battery, having a backing layer for printing which is visible from the outside and covered by a transparent protective layer, is characterised in that its outermost layer is formed by a transparent laminated layer of shrinkable plastic which is stretched at least axially. <IMAGE>

[origin: EP0129850A2] A label, is prepd. on a base (2) with an adhesive repellent layer (4), e.g. silicone to which a paper strip (8) with a layer of adhesive (6) is applied. The legend (10) on this layer is protected by a foil (14) of stretched and transparent heat-shrinkage plastic through a transparent adhesive layer (12). This foil protrudes at both ends (16,18). When the label is taken off the base and stuck around a cylindrical dry battery, a heat input causes the ends (16,18) to fold over the top and bottom edges of the battery.

IPC 1-7

**G09F 3/02**

IPC 8 full level

**G09F 3/02** (2006.01); **G09F 3/06** (2006.01)

CPC (source: EP)

**G09F 3/02** (2013.01); **G09F 3/06** (2013.01); **G09F 2003/0202** (2013.01); **G09F 2003/021** (2013.01); **G09F 2003/0255** (2013.01); **G09F 2003/0272** (2013.01)

Citation (opposition)

Opponent :

- GB 2103008 A 19830209 - UNION CARBIDE CORP [US]
- EP 0043243 A1 19820106 - UNILEVER PLC [GB], et al
- JP S6031338 B2 19850722
- JP H04325851 A 19921116 - FUJI ELECTRIC CO LTD
- JP S56150545 A 19811121 - KASEI CO C I
- JP S54178785 U 19791217
- US 2595963 A 19520506 - WALTER LEWIS RICHARD, et al

Cited by

US5747192A; FR2674979A1; EP0841650A3; US6235376B1; EP0841709A1; WO2004021471A1

Designated contracting state (EPC)

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**EP 0129850 A2 19850102; EP 0129850 A3 19860319; EP 0129850 B1 19910109;** AT E133285 T1 19960215; AT E59912 T1 19910115; DE 3322309 A1 19850103; DE 3322309 C2 19930513; DE 3483895 D1 19910214; DE 3486420 D1 19960229; EP 0388998 A2 19900926; EP 0388998 A3 19920304; EP 0388998 B1 19960117; EP 0388998 B2 20010117; ES 280103 U 19841216; ES 280103 Y 19850701; ES 280104 U 19850216; HK 1002525 A1 19980828

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