

Title (en)  
RADIO FREQUENCY SEALABLE EVOH-BASED PACKAGING STRUCTURE

Title (de)  
VERFAHREN ZUM HERSTELLEN VON BLATTFÖRMIGEN ARTIKELN, INSBESONDERE SHLEIFARTIKELN

Title (fr)  
STRUCTURE D'EMBALLAGE A BASE D'ALCOOL D'ETHYLENEVINYLE SOUDABLE PAR RADIOFREQUENCE

Publication  
**EP 1007356 A4 20010801 (EN)**

Application  
**EP 97948285 A 19971113**

Priority  
• US 9720788 W 19971113  
• US 75205296 A 19961119

Abstract (en)  
[origin: WO9822283A1] A combination of laminated materials which provides a non-foil packaging material (12) having enhanced sealability employing RF electric energy. In this combination, the relatively low, and otherwise inadequate, RF susceptibility of one or more layers of the laminate is enhanced to a value which provides fast and efficient heat sealing of the laminate to itself. This enhancement is accomplished through the incorporation within the laminated (12), in a selected order of lamination, of one or more layers (40) which tend to direct the heat generated by one or more inner layers (28) to that outer layer (14) of the laminate which is to be heated to an effective heat sealing temperature. Ethylene vinyl alcohol (EVOH) has been found to be particularly suitable as a primary RF susceptor in the combination of the present invention. A method for RF electric energy heat sealing of the packaging material is disclosed.

IPC 1-7  
**B32B 31/28**; **B29C 65/04**; **B32B 27/10**; **B32B 27/30**

IPC 8 full level  
**B29C 65/00** (2006.01); **B32B 27/08** (2006.01); **B29C 65/04** (2006.01)

CPC (source: EP US)  
**B29C 65/04** (2013.01 - EP); **B29C 66/1122** (2013.01 - EP); **B29C 66/43** (2013.01 - EP); **B29C 66/71** (2013.01 - EP); **B29C 66/723** (2013.01 - EP); **B32B 7/12** (2013.01 - US); **B32B 27/08** (2013.01 - EP US); **B32B 27/10** (2013.01 - US); **B32B 27/306** (2013.01 - US); **B32B 27/32** (2013.01 - US); **B29C 65/08** (2013.01 - EP); **B29C 65/18** (2013.01 - EP); **B29C 65/38** (2013.01 - EP); **B29C 66/43121** (2013.01 - EP); **B29C 66/72328** (2013.01 - EP); **B29C 66/72341** (2013.01 - EP); **B29C 66/72343** (2013.01 - EP); **B29K 2023/086** (2013.01 - EP); **B29L 2009/00** (2013.01 - EP); **B32B 2307/304** (2013.01 - US); **B32B 2323/046** (2013.01 - US); **B32B 2331/04** (2013.01 - US); **B32B 2439/70** (2013.01 - US)

Citation (search report)  
• [XA] WO 9503939 A1 19950209 - INT PAPER CO [US]  
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• [A] EP 0133188 A1 19850220 - BRUCKNER MASCHINENBAU GERNOT B [DE]  
• [A] EP 0567298 A1 19931027 - IDEMITSU PETROCHEMICAL CO [JP]  
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• See references of WO 9822283A1

Designated contracting state (EPC)  
CH DE ES FR GB IT LI

DOCDB simple family (publication)  
**WO 9822283 A1 19980528**; AR 008644 A1 20000209; AU 5437798 A 19980610; CO 4770856 A1 19990430; EP 1007356 A1 20000614; EP 1007356 A4 20010801; PA 8438201 A1 20000524; TW 369479 B 19990911; ZA 977410 B 19980219

DOCDB simple family (application)  
**US 9720788 W 19971113**; AR P970104453 A 19970926; AU 5437798 A 19971113; CO 97056095 A 19970926; EP 97948285 A 19971113; PA 8438201 A 19970916; TW 86116334 A 19971104; ZA 977410 A 19970818