

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  
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Application  
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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.

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