

[54] **MULTILAYER FILM CONTAINING A BIAXIALLY ORIENTED POLYPROPYLENE FILM**

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[57] **ABSTRACT**

For packaging purposes, metallized multilayer films containing a biaxially oriented polypropylene film as a base layer should have high scratch resistance, good heat-sealing properties, such as low heat-sealing temperature, attractive visual properties, such as high metallic luster, excellent metallizability of the base layer or of a covering layer, and also good processing properties during metallization, printing, slitting, and during processing on fast-running packaging machines. This requirement profile is fulfilled by a multilayer film of asymmetric structure containing a biaxially oriented base layer 4 composed of polypropylene, a heat-sealing layer 3 which contains an additive combination composed of pigment in platelet form and siloxane and which is optionally modified by an addition of polypropylene and a hydrocarbon resin, and of a corona-treated polypropylene covering layer 2 which is not capable of being heat-sealed. A corona-treated, heat-sealable copolymer may also be used as the covering layer 2, instead of a covering layer 2 composed of non-heat-sealable polypropylene. The covering layer 2 can also be omitted; in that case the surface of the base layer 4 is metallized. Tubular bags, jackets, containers of various shape for packaging foodstuffs, including the vacuum packaging of foodstuffs, are manufactured from this multilayer film.

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[58] Field of Search ..... **428/35.9, 349, 216, 428/451, 516, 447, 461**

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17 Claims, 1 Drawing Sheet

