

Title (en)
Packaging film and sachet product.

Title (de)
Verpackungsfilm und Beutel.

Title (fr)
Film pour emballage et sachet.

Publication
EP 0479404 A2 19920408 (EN)

Application
EP 91302496 A 19910321

Priority
GB 9021516 A 19901003

Abstract (en)

A composite packaging film, capable of dispersing in lightly agitated water substantially without visible residues, comprises a continuous water-soluble base film, for example, polyvinyl alcohol, carrying on one or both surfaces a discontinuous, at least partially non-particulate layer of a second plastics material less water-soluble than the base film material, for example, nitrocellulose. The discontinuous layer may be applied by gravure printing. The composite film is advantageously used for packaging detergents or other washing, cleaning or laundry treatment products in water-soluble sachets having reduced tackiness when handled with wet hands.

IPC 1-7
C11D 17/04

IPC 8 full level
C11D 17/04 (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)
C11D 17/042 (2013.01); **C11D 17/06** (2013.01)

Cited by
WO2008053381A1; GB2305931A; US5981012A; EP1314653A1; US5985396A; GB2370554A; GB2370554B; EP3378797A1; EP1314652A1; GB2352725A; EP1072675A3; EP1443098A3; EP1479756A3; US6530910B1; US6924258B2; US6638603B1; US7329441B2; US6296914B1; US6936578B2; US11021292B2; WO03045813A1; WO03044155A1; WO0250240A1; WO02057401A1; US6479105B2; US7727946B2; EP0593952A1; US7225920B2; US6294238B1; US8309203B2; US6949497B2; US7527880B2; WO02057398A1; WO03045812A1; WO0242400A3; WO2008004198A3; WO2004082818A3; WO2008053380A1; WO2005085089A1; WO20092453A1; EP1326929B2; EP1421010B2

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

DOCDB simple family (publication)
EP 0479404 A2 19920408; EP 0479404 A3 19920429; EP 0479404 B1 19950906; AU 653148 B2 19940922; AU 7544791 A 19920428; BR 9105915 A 19921020; CA 2039064 A1 19920404; DE 69112751 D1 19951012; DE 69112751 T2 19960215; ES 2078437 T3 19951216; GB 9021516 D0 19901114; JP H05503117 A 19930527; KR 927003782 A 19921218; KR 950012210 B1 19951016; WO 9206173 A1 19920416; ZA 912309 B 19921125

DOCDB simple family (application)
EP 91302496 A 19910321; AU 7544791 A 19910321; BR 9105915 A 19910321; CA 2039064 A 19910326; DE 69112751 T 19910321; ES 91302496 T 19910321; GB 9021516 A 19901003; GB 9100432 W 19910321; JP 50633591 A 19910321; KR 920701247 A 19920528; ZA 912309 A 19910327