

Title (en)
MECHANICALLY REMOVABLE LABEL

Publication
EP 0312037 A3 19900926 (DE)

Application
EP 88116974 A 19881013

Priority
DE 3734640 A 19871013

Abstract (en)
[origin: EP0312037A2] Labels are described which are made from paper, aluminium, plastic film or combinations thereof, which are removable mechanically and by machine from glass and/or plastic bottles or other commercial articles of all types, such as bottle crates or the like. For this purpose, the labels are provided with at least one substance which can be activated to adhere to the article. A distinction is made between a first substance, which makes the mechanical removal possible, and a second substance which is applied to the back thereof and possesses adhesion-promoting properties. The first substance is a release layer which is proof against water of condensation and has a particular solids content and a processing viscosity which is selected in a defined manner. The second substance, which imparts adhesive properties, is applied in the form of a gluing pattern, with a glue pallet offset backward along the edges of the label, in such a manner that removal forces are obtained for the label of between 2 and 8 Newtons. <IMAGE>

IPC 1-7
G09F 3/02

IPC 8 full level
G09F 3/02 (2006.01); **G09F 3/10** (2006.01)

CPC (source: EP)
G09F 3/02 (2013.01); **G09F 3/10** (2013.01); **G09F 2003/0233** (2013.01); **G09F 2003/0242** (2013.01); **G09F 2003/0244** (2013.01); **G09F 2003/0255** (2013.01); **G09F 2003/0272** (2013.01); **G09F 2003/0273** (2013.01)

Citation (search report)
• [A] EP 0159286 A2 19851023 - TOPFER GMBH KULMBACH [DE]
• [A] DE 3112462 A1 19821007 - HAENDLER & NATERMANN [DE]

Cited by
US2009218307A1; EP0503112A1; US8304073B2; US9051495B2; WO9743744A1; US9005742B2; US9911367B2; US10586472B2; US9254936B2; US9777196B2; US9109144B2; US9508272B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0312037 A2 19890419; EP 0312037 A3 19900926; EP 0312037 B1 19940302; AT E102376 T1 19940315; DE 3734640 A1 19890427; DE 3734640 C2 19940601; DE 3888073 D1 19940407; ES 2050688 T3 19940601

DOCDB simple family (application)
EP 88116974 A 19881013; AT 88116974 T 19881013; DE 3734640 A 19871013; DE 3888073 T 19881013; ES 88116974 T 19881013