Title (en)

METHOD AND DEVICE FOR DETACHING A COMPONENT WHICH IS ATTACHED TO A FLEXIBLE FILM

Title (de)

VERFAHREN UND VORRICHUNG ZUM ABLÖSEN EINES AUF EINE FLEXIBLE FOLIE GEKLEBTEN BAUTEILS

Title (fr)

PROCEDE ET DISPOSITIF POUR ENLEVER UN COMPOSANT COLLE SUR UN FILM SOUPLE

Publication

EP 1754249 A1 20070221 (DE)

Application

EP 04804931 A 20041217

Priority

• EP 2004053593 W 20041217
• CH 8692004 A 20040519

Abstract (en)

[origin: WO2005117072A1] The invention relates to a film (2) which comprises a component (1) to be detached therefrom. Said film is placed in the area of the component on a detaching tool (5) that is provided with at least one supporting element (6) for the film, which extends in a plane of support (11). The film is sucked against the support element (6) and partially under the plane of support by exerting negative pressure. The area of the supporting element is provided with at least one surface section (8) which extends in the plane of support when the detaching process begins, and which can be displaced, once the component (1) is grasped by a suction tool (4), plane-parallel to the plane of support while the negative pressure is maintained. The invention allows to control the detaching process of the film in a controlled movement without damaging or displacing the component.

IPC 8 full level

H01L 21/00 (2006.01)

CPC (source: EP KR US)

H01L 21/02 (2013.01 - KR); **H01L 21/67132** (2013.01 - EP US); Y10S 438/976 (2013.01 - EP US); Y10T 156/1132 (2015.01 - EP US); Y10T 156/1944 (2015.01 - EP US)

Citation (search report)

See references of WO 2005117072A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005117072 A1 20051208; CH 697213 A5 20080625; CN 101019205 A 20070815; CN 101019205 B 20100616; EP 1754249 A1 20070221; EP 2306496 A2 20110406; EP 2306496 A3 20121010; HK 1111263 A1 20080801; KR 101097500 B1 20111222; KR 20070085112 A 20070827; US 2007277929 A1 20071206; US 7981246 B2 20110719

DOCDB simple family (application)

EP 2004053593 W 20041217; CH 8692004 A 20040519; CN 200480043065 A 20041217; EP 04804931 A 20041217; EP 10186245 A 20041217; HK 08101408 A 20080205; KR 20067025586 A 20061205; US 59664504 A 20041217