Flexible Carrier Mount, Device and Method

for Detaching a Carrier Substrate

Abstract

This invention relates to a flexible carrier mount (1) for mounting of a carrier substrate (13) when the carrier substrate (13) is detached from a product substrate (11), detachment means (1, 28) being provided for debonding of the product substrate (11) with bending of the carrier substrate (13).

Furthermore this invention relates to a device for detaching a carrier substrate (13) from one product substrate (11) in one detachment direction (L) with the following features:
- a carrier mount (1) which is flexible in the detachment direction (L) for mounting of the carrier substrate (13),
- a substrate mount (18) for mounting of the product substrate (11) and
- detachment means (1, 15, 15', 16, 28) for debonding of the carrier substrate (13) from the product substrate (1) with bending of the carrier substrate (11).

Moreover this invention relates to a method for detaching a carrier substrate from a product substrate in one detachment direction (L) with following steps, especially the following sequence:
- mounting of the product substrate with a substrate mount and mounting of the carrier substrate with a carrier mount which is flexible in the detachment direction (L) and
- debonding of the carrier substrate from the product substrate with bending of the product substrate.

Figure 9c