

STRETCH RELEASABLE ADHESIVE ARTICLE**Cross Reference To Related Applications**

This application claims the benefit of U.S. Provisional Patent Application Nos. 61/152,099, filed February 12, 2009, 61/036,501, filed March 14, 2008, 61/141,767, filed December 31, 2008, 61/141,795, filed December 31, 2008, and 61/141,827, filed December 31, 2008, the disclosures of which are incorporated by reference herein in their entirety.

Background

The present disclosure relates generally to stretch releasable adhesives that can be used to form releasable bonds between objects and/or substrates. In one aspect, the present disclosure relates to a stretch releasable adhesive article that may be useful in the assembly of optical display devices.

Stretch releasable adhesives are high performance pressure-sensitive adhesives that combine strong holding power with clean removal and no surface damage. Such stretch releasing adhesives are useful in a wide variety of assembling, joining, attaching, and mounting applications.

Stretch releasable adhesives that can be removed from a surface by stretching are known in the patented prior art. U.S. Pat. No. 5,516,581 (Kreckel et al.) discloses a removable adhesive tape having a highly extensible and substantially inelastic backing coated with a layer of pressure sensitive adhesive. U.S. Pat. No. 6,231,962 (Bries et al.) discloses conformable pressure-sensitive adhesive tapes which comprise a layer of polymeric foam in the backing and may be adhered firmly to a substrate and thereafter removed therefrom by stretching at an angle no greater than about 35° from the surface of the substrate. U.S. Patent No. 7,078,093 (Sheridan et al.) discloses a stretch releasing pressure sensitive adhesive tape including a silicone pressure sensitive adhesive composition that exhibits a 180° peel strength on a glass substrate at 98% relative humidity of at least about 5.47 N/dm, and a non-tacky tab.

U.S. Patent No. 6,395,389 (Lühmann et al.) discloses an adhesive tape strip for a stretchable adhesive bond, which can be removed from a bonded joint by pulling in the direction of the bond plane, having a non-adhesive grip tab and a subsequent, elongate