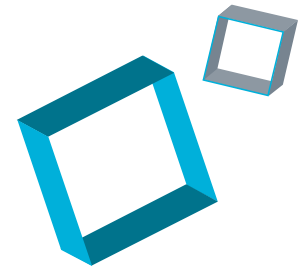


2016-11-18 Biomimetic Tunable Adhesives

**Caddis
Adhesive
Company**



Tunable adhesive compositions and methods

Elisha Long, John C. Warner, Justin Whitfield, Bill Dorogy and Frederick R. Kearney
Caddis Adhesive Company, Inc.

[US 2018/0346778](#) Published 2018-12-06, Filed 2018-05-31

[WO 2018/094357](#) Published 2018-05-24, Filed 2017-11-20

[CA 3044253](#) Published 2018-05-24, Filed 2017-11-20

[EP 3541886](#) Published 2019-09-25, Filed 2017-11-20

[JP 2020/512438](#) Published 2020-04-23, Filed 2017-11-20

Disclosed are non-toxic adhesive compositions that are tunable for selective adhesion to an intended substrate under any number of conditions, including a fouled substrate. Methods of making and methods of using are also described. Soy protein, a rice protein, a wheat protein, a barley protein, an algal protein, a wood fiber, a wood flour, a cellulose fiber, a cellulose nanofiber, a cellulose nanofibril, a starch, a polysaccharide, a silk fiber, a silk fibroin, a chitin, a keratin or a chitosan,.



FIGURE 16

