

## JCW Patents – Adhesives and Coatings

**7 Inventions Families 19 Patent Families 57 Patents**  
**(As of December 16, 2022)**

### **001 Hydroquinone Noncovalent Derivatives (1991-07-19)**

#### **001 Process and Composition for use in Photographic Materials Containing Hydroquinones**

Lloyd D. Taylor and John C. Warner

001 [US 5,177,262](#) Granted 1993-01-05, Published 1993-01-05, Filed 1991-07-19

002 [CA 2070450](#) Published 1993-01-20, Filed 1992-07-04

003 [DE 69218312](#) Granted 1997-04-24, Published 1997-04-24, Filed 1992-07-03

004 [EP 0523470](#) Granted 1997-03-19, Published 1993-01-20, Filed 1992-07-03

005 [JP 2881072](#) Granted 1999-04-04, Published 1994-08-19, Filed 1992-07-16

#### **002 Process and Composition for use in Photographic Materials Containing Hydroquinones, Continuation**

Lloyd D. Taylor and John C. Warner

006 [US 5,338,644](#) Granted 1994-08-16, Published 1994-08-16, Filed 1992-12-23

### **003 Vinylbenzyl Thymine Photopolymers (1994-05-13)**

#### **005 Vinylbenzyl Thymine Monomers**

J. Michael Grasshoff, Lloyd D. Taylor, John C. Warner

021 [US 5,455,349](#) Granted 1995-10-03, Published 1995-10-03, Filed 1994-05-13

022 [WO 1995/031755](#) Published 1995-11-23, Filed 1995-05-10

023 [CA 2185144](#) Published 1995-11-23, Filed 1995-05-10

024 [EP 0759193](#) Granted 1998-09-09, Published 1997-02-26, Filed 1995-05-10

025 [DE 69504652](#) Granted 1998-10-15, Published 1998-10-15, Filed 1995-05-10

026 [JP 10500169](#) Published 1998-01-06, Filed 1995-05-10

#### **006 Method of Imaging Using a Polymeric Photoresist Having Pendant Vinylbenzyl Thymine Groups**

J. Michael Grasshoff, Lloyd D. Taylor, John C. Warner

027 [US 5,616,451](#) Granted 1997-04-01, Published 1997-04-01, Filed 1995-05-24

#### **007 Copolymers Having Pendant Functional Thymine Groups**

J. Michael Grasshoff, Lloyd D. Taylor, John C. Warner

028 [US 5,708,106](#) Granted 1998-01-13, Published 1998-01-13, Filed 1996-05-03

#### **008 Copolymeric Mordants and Photographic Products and Processes Containing Same.**

J. Michael Grasshoff, Lloyd D. Taylor, John C. Warner

029 [US 5,395,731](#) Granted 1995-03-07, Published 1995-03-07, Filed 1994-05-13

### **022 Flexible On-Demand Printable Microreactors (2013-06-18)**

#### **038 Flexible Microreactors**

John C. Warner

122 [US 2014/0369901](#) Published 2014-12-18, Filed 2013-06-18

### **031 Silsesquioxane Chemistry for Entropic Compatibilization (2014-10-07)**

#### **052 Synthetic Blend F-POSS Compositions Formed from Multiple Feedstock Materials**

John C. Warner

177 [US 9,409,933](#) Granted 2016-08-09, Published 2016-04-07, Filed 2015-10-02

178 [WO 2016/057599](#) Published 2016-04-14, Filed 2015-10-07

179 [EP 3204450](#) Published 2017-08-16, Filed 2015-10-07

180 [JP 2017/538791](#) Published 2017-12-28, Filed 2015-10-07

#### **053 Synthetic Blend F-POSS Compositions Formed from Multiple Feedstock Materials, Continuation #1**

John C. Warner

181 [US 10,208,070](#) Granted 2019-02-19, Published 2017-06-29, Filed 2016-08-08

**054 Synthetic Blend F-POSS Compositions Formed from Multiple Feedstock Materials, Continuation #2**

John C. Warner

182 [US 10,584,137](#) Granted 2020-03-10, Published 2019-06-13, Filed 2019-02-18

**055 Functionalized Fluorinated F-POSS Monomer Compositions and Uses Thereof**

John C. Warner, Jean R. Loebelenz, Srinivasa R. Cheruku and Thomas W. Gero

183 [US 10,174,059](#) Granted 2019-01-08, Published 2016-09-15, Filed 2016-03-09

184 [WO 2016/145060](#) Published 2016-09-15, Filed 2016-03-09

185 [EP 3268412](#) Published 2018-01-17, Filed 2016-03-09

186 [JP 2018/510862](#) Published 2018-04-19, Filed 2016-03-09

**056 Processes for Preparing Functionalized F-POSS Monomers**

John C. Warner, Jean R. Loebelenz, Srinivasa R. Cheruku and Thomas W. Gero

187 [US 9,630,981](#) Granted 2017-04-25, Published 2016-11-10, Filed 2016-02-19

188 [WO 2016/134207](#) Published 2016-08-25, Filed 2016-02-19

189 [EP 3259278](#) Granted 2021-04-07, Published 2017-12-27, Filed 2016-02-19

190 [HK 1248707](#) Published 2018-10-19, Filed 2018-06-25

191 [JP 6839480](#) Granted 2021-03-10, Published 2018-05-17, Filed 2016-02-19

**057 Compositions and Methods for Compatibilizing Fluorinated Materials in Nonfluorinated Solvent Systems**

John C. Warner, Jean R. Loebelenz, Peter N. Kariuki and David K. Bwambok

192 [US 9,932,424](#) Granted 2018-04-03, Published 2016-10-20, Filed 2015-11-16

**058 Functionalized F-POSS Monomer Compositions and uses Thereof**

John C. Warner, Jean R. Loebelenz, Srinivasa R. Cheruku, Thomas W. Gero and Perry L. Catchings, Sr

193 [US 10,442,823](#) Granted 2019-10-15, Published 2018-04-05, Filed 2017-09-14

194 CN 109503652 Published 2019-03-22, Filed 2018-09-14

195 EP 3456723 Published 2019-03-20, Filed 2018-09-14

196 JP 2019/052148 Published 2019-04-04, Filed 2018-09-14

**059 Functionalized F-POSS Monomer Compositions and uses Thereof, Continuation**

John C. Warner, Jean R. Loebelenz, Srinivasa R. Cheruku, Thomas W. Gero and Perry L. Catchings, Sr

197 [US 2020/0040016](#) Published 2020-02-06, Filed 2019-10-14

**037 BPA-Free Polymeric Can Linings (2016-06-27)**

**067 Bisphenol A-Free Crosslinked Polymer Compositions**

John C. Warner, Justin Whitfield, Frederick R. Kearney, Jeffrey Gladding and Anitha Hari

241 [US 2020/0181317](#) Published 2020-06-11, Filed 2017-06-27

242 [WO 2018/005430](#) Published 2018-01-04, Filed 2017-06-27

243 [AU 2017/289153](#) Published 2019-01-31, Filed 2017-06-27

244 [CN 109790248](#) Published 2019-05-21, Filed 2017-06-27

245 [EP 3475324](#) Published 2019-05-01, Filed 2017-06-27

246 [JP 2019/520458](#) Published 2019-07-18, Filed 2017-06-27

247 [KR 2019/0022788](#) Published 2019-03-06, Filed 2017-06-27

**039 Biomimetic Tunable Adhesives (2016-11-18)**

**072 Tunable Adhesive Compositions and Methods**

Elisha Long, John C. Warner, Justin Whitfield, Bill Dorogy and Frederick R. Kearney

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

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

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

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

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

**040 Biobased Debondable Adhesives (2017-02-03)**

**073 Debondable Adhesives and Uses Thereof**

Alberto Eduardo De Los Santo Gonzalez, Kethinni Chittibabu, Debora M. Martino, Sofia Trakhtenberg and John C. Warner

276 [US 10,827,799](#) Granted 2020-11-10, Published 2018-08-23, Filed 2018-02-17

277 [WO 2018/156689](#) Published 2018-08-30, Filed 2018-02-22

278 [CN 110337478](#) Granted 2021-01-12, Published 2019-10-15, Filed 2018-02-22

279 [EP 3568447](#) Granted 2021-05-19, Published 2019-11-20, Filed 2018-02-22

280 VN 1/2019/05079 Published 2019-11-25, Filed 2018-02-22

**074 Debondable Adhesives and Uses Thereof, Continuation**

Alberto Eduardo De Los Santo Gonzalez, Kethinni Chittibabu, Debora M. Martino, Sofia Trakhtenberg and John C. Warner

281 [US 2021/0037916](#) Published 2021-02-11, Filed 2020-10-14

282 [CN 112409948](#) Published 2021-02-26, Filed 2018-02-22

283 [EP 3744803](#) Published 2020-10-02, Filed 2018-02-22