

JCW Patents – Construction and Water Technologies

5 Inventions Families 11 Patent Families 54 Patents
(As of December 16, 2022)

027 Asphalt Rejuvenation, Warm Mix and Preservative Systems (2013-11-11)

045 Asphalt Binder Additive Compositions and Methods of Use

John C. Warner, Laura R. Muollo, Rowan L. Walker and Jason R. Bianchini
155 [US 9,994,485](#) Granted 2018-09-15, Published 2016-09-15, Filed 2013-11-10
156 [WO 2015/070180](#) Published 2015-05-14, Filed 2014-11-10
157 [AU 2014/346479](#) Granted 2018-08-02, Published 2016-12-08, Filed 2014-11-10
158 [EP 3107958](#) Granted 2019-12-25, Published 2016-12-28, Filed 2014-11-10
159 [ES 2780908](#) Granted 2020-08-27, Published 2020-08-27, Filed 2014-11-10
160 [JP 6474085](#) Granted 2019-02-27, Published 2016-12-01, Filed 2014-11-10

046 Asphalt Binder Additive Compositions and Methods of Use, Continuation

John C. Warner, Laura R. Muollo, Rowan L. Walker and Jason R. Bianchini
161 [US 2018/0257985](#) Published 2018-09-13, Filed 2018-05-14
162 [AU 2018/256540](#) Granted 2020-02-13, Published 2018-11-22, Filed 2018-10-31

047 Use of Novel Asphalt Binder Additive Compositions

John C. Warner, Laura R. Muollo, Rowan L. Walker and Jason R. Bianchini
163 [US 2019/0152850](#) Published 2019-05-23, Filed 2019-01-24

030 Algae Based Wood Composites (2014-06-20)

051 Wood Composites Containing Oleaginous Microbial Biomass

Diza Braksmayer, Adrienne McKee, Giselle Janssen, David H. Krevor, John C. Warner, Justin R. Whitfield, William E. Dorogy, Frederick R. Kearney and Emily J. Stoler
175 US 62/015,154. Filed 2014-06-20. Unpublished.
176 [WO 2015/196134](#) Published 2015-12-23, Filed 2015-06-19

032 Formaldehyde and Isocyanate Free Engineered Wood Composites (2015-05-26)

060 Lignocellulosic Composites and Methods of Making Same

John C. Warner, Justin R. Whitfield, Jeffery A. Gladding and Richard M. Allen
198 [US 2018/0147824](#) Published 2018-05-31, Filed 2016-05-26
199 [WO 2016/191521](#) Published 2016-12-01, Filed 2016-05-26
200 [AU 2016/267104](#) Granted 2020-10-29, Published 2018-01-18, Filed 2016-05-26
201 [CA 2986427](#) Published 2016-12-01, Filed 2016-05-26
202 [EP 3302969](#) Granted 2021-01-27, Published 2018-04-11, Filed 2016-05-26
203 IN 2017/370046114 Granted 2021-05-27 Published 2018-02-09, Filed 2017-12-21
204 [JP 6948707](#) Granted 2021-10-13, Published 2018-06-28, Filed 2016-05-26
205 [MX 2017/015081](#) Published 2019-09-09, Filed 2016-05-26

036 Photochromic Water Technologies (2016-06-23)

065 Photochromic Water Harvesting Platform

John C. Warner, Srinivasa R. Cheruku and Sofia Trakhtenberg
229 [US 11,352,554](#) Granted 2022-06-07, Published 2019-05-23, Filed 2017-06-23
230 [WO 2017/223397](#) Published 2017-12-28, Filed 2017-06-23
231 [AU 2017/281784](#) Published 2019-01-24, Filed 2017-06-23
232 [CN 109790451](#) Published 2019-05-21, Filed 2017-06-23
233 [EP 3475387](#) Published 2019-05-01, Filed 2017-06-23
234 [JP 2019/527250](#) Published 2019-09-26, Filed 2017-06-23

066 Reversibly Switchable Surfactants and Methods of Extracting Natural Products, Coating Surfaces, Cleaning Laundry, and Osmotic Extraction Using Same

John C. Warner and Srinivasa R. Cheruku

- 235 [US 2019/0152993](#) Published 2019-05-23, Filed 2017-06-23
- 236 [WO 2017/223413](#) Published 2017-12-28, Filed 2017-06-23
- 237 [AU 2017/281523](#) Published 2019-01-24, Filed 2017-06-23
- 238 [CN 109996599](#) Published 2019-07-09, Filed 2017-06-23
- 239 [EP 3474975](#) Published 2019-05-01, Filed 2017-06-23
- 240 [JP 2019/531869](#) Published 2019-11-07, Filed 2017-06-23

038 Biodegradable Crystallization Suppressants (2016-07-14)

068 High Density Clear Brine Fluids

Thomas G. Ray, Colin H. Keene, David J. Sikora, David W. Bartley, John C. Warner, Justin Whitfield, Dwight Tshudy and Joni P. Williams

- 248 [US 2018/0016484](#) Published 2018-01-18, Filed 2017-07-14
- 249 [WO 2018/013949](#) Published 2018-01-18, Filed 2017-07-14
- 250 [AU 2017/296043](#) Granted 2021-10-28, Published 2018-01-18, Filed 2017-07-14
- 251 [BR 11/2019/000580](#) Published 2019-04-24, Filed 2017-07-14
- 252 [CN 109476982](#) Granted 2021-10-12, Published 2019-03-15, Filed 2017-07-14
- 253 [DK 3484978](#) Granted 2020-08-31, Published 2020-08-31, Filed 2017-07-24
- 254 [EP 3484978](#) Granted 2020-06-10, Published 2019-05-22, Filed 2017-07-14
- 255 [IL 264231 Published](#) 2019-02-28, Filed 2019-01-13
- 256 IN 395519 Granted 2022-04-27, Published 2019-03-01, Filed 2019-01-02
- 257 [MX 2019/000555](#) Published 2019-10-30, Filed 2017-07-14

069 High Density Clear Brine Fluids, Continuation

Thomas G. Ray, Colin H. Keene, David J. Sikora, David W. Bartley, John C. Warner, Justin Whitfield, Dwight Tshudy and Joni P. Williams

- 258 [US 11,021,641](#) Granted 2021-06-01, Published 2019-08-22, Filed 2019-05-02
- 259 [EP 3741825](#) Published 2020-11-25, Filed 2017-07-14 (20/173147)

070 Crystallization Suppressant Combinations for High Density Clear Brine Fluids

Thomas G. Ray, Colin H. Keene, David J. Sikora, David W. Bartley, John C. Warner, Justin Whitfield, Dwight Tshudy and Joni P. Williams

- 260 [US 10,745,609](#) Granted 2020-08-18, Published 2018-08-09, Filed 2018-04-03
- 261 [WO 2019/195259](#) Published 2019-10-10, Filed 2019-04-02
- 262 AE 6001390/2020 Filed 2020-08-31
- 263 [BR 11/2020/019839](#) Published 2021-01-05, Filed 2019-04-02
- 264 [CN 111971365](#) Published 2020-11-20, Filed 2019-04-02
- 265 [EP 3775093](#) Published 2021-02-17, Filed 2019-04-02
- 266 [IL 277050](#) Published 2020-10-29, Filed 2020-08-31
- 267 MX 2020/010449 Filed 2020-08-31
- 268 SA 520420272 Filed 2020-08-31
- 269 [SG 2020/08458](#) Published 2020-10-29, Filed 2019-04-02

071 Crystallization Suppressant Combinations for High Density Clear Brine Fluids, Continuation

Thomas G. Ray, Colin H. Keene, David J. Sikora, David W. Bartley, John C. Warner, Justin Whitfield, Dwight Tshudy and Joni P. Williams

- 270 [US 2020/0354623](#) Published 2020-11-12, Filed 2020-07-30