

Title (en)  
FORMALDEHYDE-FREE WOOD BINDER

Title (de)  
FORMALDEHYDFREIES HOLZBINDEMITE

Title (fr)  
LIANT SANS FORMALDÉHYDE POUR DÉRIVÉS DU BOIS

Publication  
**EP 3430082 A1 20190123 (DE)**

Application  
**EP 17709607 A 20170227**

Priority  
• EP 16000650 A 20160317  
• EP 2017054480 W 20170227

Abstract (en)  
[origin: CA3017402A1] The formaldehyde-free binder for materials containing cellulose contains a hydroxy aldehyde resin polycondensed with an ammonium salt, the resin being obtained, in especially preferred embodiments, from glycerin, in situ, with the aid of hydrogen peroxide. A protein component consisting of animal blood is added. The binder is urea-free and can be used as a one-component or two-component binder. It binds materials such as wood, paper and other natural fibres to form high-quality composite material products.

IPC 8 full level  
**C08L 61/02** (2006.01); **C08L 89/06** (2006.01); **C08L 97/02** (2006.01)

CPC (source: EP RU US)  
**B27N 3/002** (2013.01 - US); **C08G 12/02** (2013.01 - RU); **C08G 16/0225** (2013.01 - US); **C08L 61/00** (2013.01 - US); **C08L 61/02** (2013.01 - RU); **C08L 61/22** (2013.01 - EP US); **C08L 61/30** (2013.01 - EP US); **C08L 89/00** (2013.01 - US); **C08L 89/06** (2013.01 - EP RU US); **C08L 97/02** (2013.01 - EP RU US); **B27N 3/02** (2013.01 - US); **C08G 12/06** (2013.01 - EP US); **C08G 12/34** (2013.01 - EP US); **C08G 12/46** (2013.01 - EP US); **C08L 2205/03** (2013.01 - US); **C08L 2312/00** (2013.01 - US)

Citation (search report)  
See references of WO 2017157646A1

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**EP 3219756 A1 20170920; EP 3219756 B1 20180606**; AU 2017233432 A1 20180920; AU 2017233432 B2 20210701; BR 112018068644 A2 20190205; BR 112018068644 B1 20230214; CA 3017402 A1 20170921; CA 3017402 C 20230103; CL 2018002623 A1 20190215; CN 108884295 A 20181123; CN 108884295 B 20221025; CO 2018010006 A2 20181228; CY 1120653 T1 20191211; DK 3219756 T3 20180827; EP 3430082 A1 20190123; ES 2686204 T3 20181016; HR P20181400 T1 20181116; HU E038968 T2 20181228; JP 2019516005 A 20190613; JP 2022031549 A 20220218; LT 3219756 T 20181010; MA 42222 A 20170920; MA 42222 B1 20180928; MA 44402 A 20190123; MY 193881 A 20221030; NZ 746277 A 20220527; PL 3219756 T3 20181130; PT 3219756 T 20181019; RS 57760 B1 20181231; RU 2018133943 A 20200417; RU 2018133943 A3 20200807; RU 2753759 C2 20210823; SI 3219756 T1 20181030; UA 123784 C2 20210602; US 11078365 B2 20210803; US 2019119500 A1 20190425; WO 2017157646 A1 20170921

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