

Title (en)

PROCESS FOR LOWERING MOLECULAR WEIGHT OF LIQUID LIGNIN

Title (de)

VERFAHREN ZUR VERRINGERUNG DES MOLEKULARGEWICHTS VON FLÜSSIGEM LIGNIN

Title (fr)

PROCÉDÉ DE RÉDUCTION DE POIDS MOLÉCULAIRE DE LIGNINE LIQUIDE

Publication

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Application

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Citation (search report)

- [I] US 2009218061 A1 20090903 - SCHINSKI WILLIAM LAWRENCE [US], et al
- [I] US 2623040 A 19521223 - KEILEN JR JOHN J, et al
- [I] US 2011268652 A1 20111103 - MACHHAMMER OTTO [DE], et al
- [I] WO 2011138357 A1 20111110 - BASF SE [DE], et al
- [A] US 2011294991 A1 20111201 - LAKE MICHAEL A [US], et al
- [A] US 4911787 A 19900327 - SHIMOKURA AKIRA [JP], et al
- [A] US 2014121359 A1 20140501 - THIES MARK C [US], et al
- [A] WO 2013188401 A1 20131219 - LIQUID LIGNIN COMPANY [US]
- See references of WO 2015200456A1

Designated contracting state (EPC)

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