

Title (en)  
CATALYST INK CONTAINING A C5-C10 ALCOHOL OR CARBOXYLIC ACID, AND MEA MANUFACTURING PROCESS

Title (de)  
KATALYSATORINTEN MIT EINEM C5-C10-ALKOHOL ODER CARBONSÄURE UND MEA-HERSTELLUNGSVERFAHREN

Title (fr)  
ENCRE DE CATALYSEUR CONTENANT UN ALCOOL EN C5-C10 OU UN ACIDE CARBOXYLIQUE, ET PROCÉDÉ DE FABRICATION DE MEA

Publication  
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Application  
**EP 17832665 A 20171222**

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US 2017068252 W 20171222

Abstract (en)  
[origin: WO2019125490A1] Methods and compositions for making fuel cell components are described. In one embodiment, the method comprises providing a substrate, and forming or adhering an electrode on the substrate, wherein the forming includes depositing an aqueous mixture as catalyst ink comprising water, a water-insoluble component, a catalyst, and an ionomer. The water-insoluble component comprises a water-insoluble C5-C10 alcohol, a C5-C10 water-insoluble carboxylic acid, or a combination thereof. The use of such water-insoluble components results in a stable liquid medium with reduced reticulation upon drying, reduced dissolution of the substrate, and reduced penetration of the pores of the substrate.

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