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PATENT ASSIGNMENT COVER SHEET

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11404646

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PATENT 505963820 REEL: 052155 FRAME: 0371

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Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). Invention Title: Two-Dimensional Patterned Electrodes for Improving Electro-Emission Light **Extraction in Organic Light Emitting Diodes** Inventor(s): Vladimir Kamaev, Chuanzhen Liu and Zev V. Vardeny U.S. Filing/Issue Date: 4/1/2014 Patent or Application 8,686,627 Serial No.: Grant/Contract U.S. Army Research Laboratory DAAD 19-03-1-0290 Number(s): NSF DMR0102964 DOE DE-FG02-04ER46109 **Foreign Applications** filed/intended in (countries): The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of: 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and 2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. Signed this 30th day of March Ву Eric S. Paulsen (Institutional Business Official) (Signature) Title Director of Legal and Strategy For University of Utah (Grantee/Contractor Organization)

c/o Technology & Venture Commercialization, 615 Arapeen Drive, Suite #310, Salt Lake City, UT 84108

At

RECORDED: 03/12/2020

U-3833

PATENT REEL: 052155 FRAME: 0372