UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GLOBALFOUNDRIES U.S., INC., GLOBALFOUNDRIES DRESDEN MODULE ONE LLC & CO. KG, GLOBALFOUNDRIES DRESDEN MODULE TWO LLC & CO. KG, and THE GILLETTE COMPANY, Petitioners,

v.

Zond, LLC. U.S. Patent No. 6,853,142 IPR Case No. IPR2014-01098¹

PETITIONER'S DEMONSTRATIVE EXHIBITS FOR ORAL ARGUMENT

¹ Case No. IPR2014-01016 has been joined with this proceeding.

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

The '142 Patent:

GlobalFoundries U.S. Inc., GlobalFoundries Dresden Module One LLC & Co. KC GlobalFoundries Dresden Module Two LLC & Co. KG, The Gillette Company, Fuj Semiconductor Limited, Fujitsu Semiconductor America, Inc., Advanced Micro Devices, Inc Electronics Corporation, Renesas Electronics America, Inc., Toshiba America Electronic Co Inc., Toshiba America Inc., Toshiba America Information Systems, Inc., and Toshiba Corp

> v. Zond LLC

IPR2014-00818, IPR2014-00819, IPR2014-00821, and IPR2014-0082

GlobalFoundries U.S. Inc., GlobalFoundries Dresden Module One LLC & Co. GlobalFoundries Dresden Module Two LLC & Co. KG, and The Gillette Com

v. Zond LLC IPR2014-01098

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Overview

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- Overview of the '142 Patent
- Grounds Instituted
- Overview of Prior Art
- Summary of Disputes and Responses Related to Independent Claims
- Summary of Disputes and Responses Related to Dependent Claims

The '142 Patent

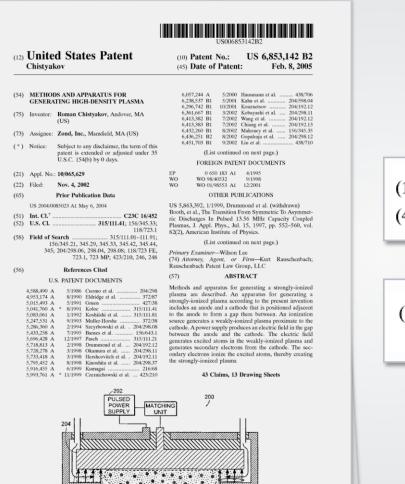
222

234 232

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(10) Patent No.: US 6,853,1 (45) Date of Patent: Feb.

(54) METHODS AND APPARATUS FO GENERATING HIGH-DENSITY P

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The '142 Patent – Fig. 2A

Cathode (204)

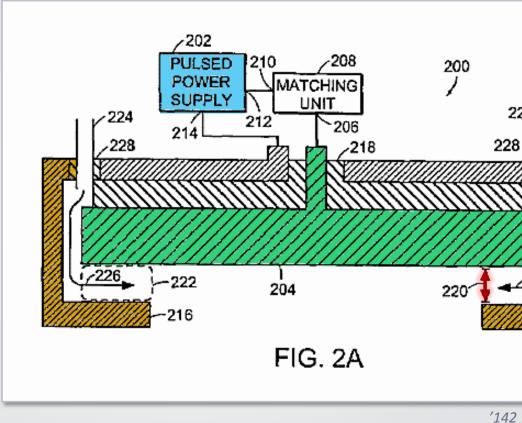
Anode (216)

Gap (220)

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Pulsed power supply (202)

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