UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

LG ENERGY SOLUTION, LTD.,
Petitioner

v.

MOLECULAR REBAR DESIGN, LLC,
Patent Owner

Case IPR2024-01012
U.S. Patent 10,608,282 B2

PATENT OWNER'S SECOND UPDATED MANDATORY NOTICES PURSUANT TO 37 C.F.R. § 42.8(a)(3)

Under 37 C.F.R. § 42.8(a)(3), Patent Owner Molecular Rebar Design, LLC hereby submits the following updated mandatory notices[1]:

I. REAL PARTY-IN-INTEREST – 37 CFR § 42.8(b)(1)

The real party-in-interest is Molecular Rebar Design, LLC, which owns all substantial rights to U.S. Patent No. 10,608,282, except that Molecular Rebar Design has granted its subsidiary Black Diamond Structures, LLC an exclusive license to the '282 Patent in the energy storage field, including applications and uses related to electrical energy storage, including without limitation anodes, cathodes, electrolytes, separators for batteries, capacitors and other storage devices.

II. RELATED MATTERS – 37 C.F.R. § 42.8(b)(2)

Patent Owner identifies the following matters that may be deemed related pursuant to 37 C.F.R. § 42.8(b)(2):

- *Molecular Rebar Design, LLC et al v. LG Energy Solution, Ltd.*, 2-24-cv-00107 (EDTX) filed Feb. 16, 2024 (asserting U.S. Patent Nos. 8,808,909; 8,968,924; 9,636,649; 10,153,483; 10,608,282)

[1] This submission is an update to Patent Owner's previously submitted Mandatory Notices (Paper 13) (January 14, 2025).

- *Molecular Rebar Design, LLC et al v. Samsung Electronics Co., Ltd. et al*, 2-24-cv-00108 (EDTX) filed Feb. 16, 2024 (asserting U.S. Patent Nos. 8,808,909; 8,968,924; 9,636,649; 10,153,483; 10,608,282)
- *Molecular Rebar Design, LLC et al v. LG Chem, Ltd. et al,* 1-22-cv-01130 (DDE) filed August 29, 2022 and dismissed on November 28, 2022 (asserting U.S. Patent Nos. 10,608,282, 8,475,961, and 9,636,649)
- *Samsung Electronics Co., Ltd. and Samsung Electronics America, Inc.:*
    - IPR2025-00355 (PTAB) (challenging U.S. Patent No. 9,636,649)
    - IPR2025-00356 (PTAB) (challenging U.S. Patent No. 8,808,909)
    - IPR2025-00357 (PTAB) (challenging U.S. Patent No. 8,968,924)
    - IPR2025-00358 (PTAB) (challenging U.S. Patent No. 10,608,282)
    - IPR2025-00359 (PTAB) (challenging U.S. Patent No. 10,153,483)
- *LG Energy Solution, Ltd. v. Molecular Rebar Design, LLC*:
    - IPR2024-01005 (PTAB) (challenging U.S. Patent No. 9,636,649)
    - IPR2024-01006 (PTAB) (challenging U.S. Patent No. 8,808,909)
    - IPR2024-01011 (PTAB) (challenging U.S. Patent No. 8,968,924)
    - IPR2024-01013 (PTAB) (challenging U.S. Patent No. 10,153,483)

III. LEAD AND BACKUP COUNSEL – 37 C.F.R. § 42.8(b)(3)

Patent Owner is represented in this proceeding by the following counsel:

Stephen D. Zinda (Reg. No. 67,272) (Lead Counsel)
Email: stephen@chzfirm.com
James H. Hall (Reg. No. 66,317) (Backup Counsel)
Email: james@chzfirm.com
James A. Glenn (Reg. No. 55,898) (Backup Counsel)
Email: jglenn@chzfirm.com

CABELLO HALL ZINDA, PLLC
801 Travis, Suite 1610
Houston, TX 77002
Telephone: (832) 631-9990
Fax: (832) 631-9991

IV. SERVICE INFORMATION

Patent Owner hereby consents to service of all documents at the following e-mail addresses (electronic service):

Email: stephen@chzfirm.com
james@chzfirm.com
jglenn@chzfirm.com
paralegal@chzfirm.com

V. POWER OF ATTORNEY

A Power of Attorney for Patent Owner Molecular Rebar Design, LLC was filed on January 14, 2025 as Paper No. 12.

Dated: March 11, 2025

Respectfully submitted,

/Stephen D. Zinda/
Stephen D. Zinda
Reg. No. 67,272

Counsel for Molecular Rebar Design, LLC

CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. §§ 42.6(e)(4), the undersigned certifies that on March 11, 2025, the foregoing document was served via electronic mail on the following attorneys of record at the indicated e-mail address, which Petitioner has consented to electronic service for:

W. Karl Renner (Reg. No. 41,265)
IPR18768-0210IP8@fr.com

Timothy Riffe (Reg. No. 43,881)
Hyun Jin In (Reg. No. 70,014)
Gretchen A. DeVries (Reg. No. 72,505)
PTABInbound@fr.com

FISH & RICHARDSON P.C.

/Stephen D. Zinda/
Stephen D. Zinda