

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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META PLATFORMS, INC.,  
Petitioner,

v.

ANGEL TECHNOLOGIES LLC,  
Patent Owner.

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Case IPR2023-00057  
U.S. Patent 8,954,432

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**PATENT OWNER'S PRELIMINARY RESPONSE  
UNDER 37 C.F.R. § 42.107**

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Patent Trial and Appeal Board

U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, Virginia 22313-1450

*Submitted Electronically via the Patent Review Processing System*

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