

**Commonwealth of Kentucky**  
**Michael G. Adams, Secretary of State**

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Michael G. Adams  
KY Secretary of State  
Received and Filed

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Fee receipt: \$212.00

Michael G. Adams  
Secretary of State  
P. O. Box 718  
Frankfort, KY 40602-0718  
(502) 564-3490  
<http://www.sos.ky.gov>

**Certificate of Authority**

**RCA**

Pursuant to the provisions of KRS 14A.9 - 030 the undersigned hereby applies for authority to transact business in Kentucky on behalf of the entity named below and, for that purpose, submits the following statements.

1. The business entity is a limited liability company.
2. The name of the entity is: 451 Research LLC
3. The name of the entity to be used in Kentucky is (if applicable): 451 Research LLC
4. It is an entity organized and existing under the laws of the state of Delaware.
5. The date of organization is 12/15/2011 and the period of duration is perpetual

**Principal Office**

55 Water Street  
New York, NY 10041

**Registered Agent Name/Address**

Corporation Service Company  
421 West Main Street  
Frankfort, KY 40601

**Members/Managers**

Member	S&P Global Market Intelligence Inc.	55 Water Street, New York, NY 10041
Manager	Alma Rosa Montanez	55 Water Street, New York, NY 10041

6. Alma Rosa Montanez, Assistant Secretary, on 12/4/2023

7. I, Corporation Service Company, consent to serve as the registered agent on behalf of the this entity on 12/4/2023