



Nasdaq Global AI & Big Data™ Index

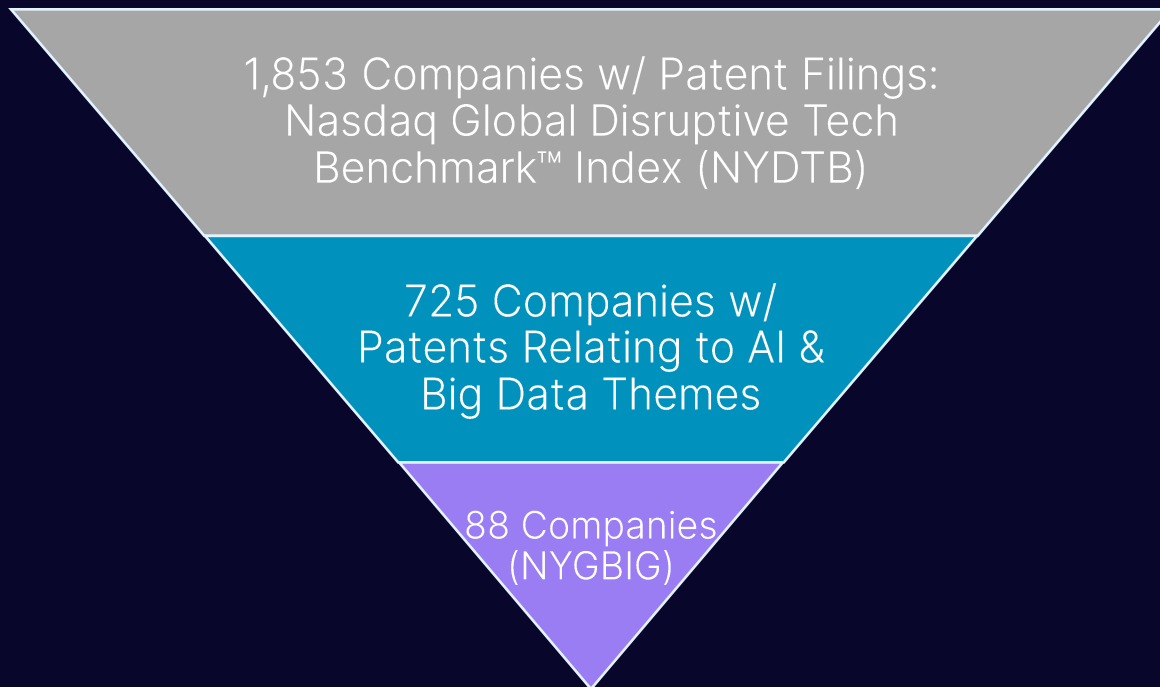
Effective January 2024

Patent Methodology Overview

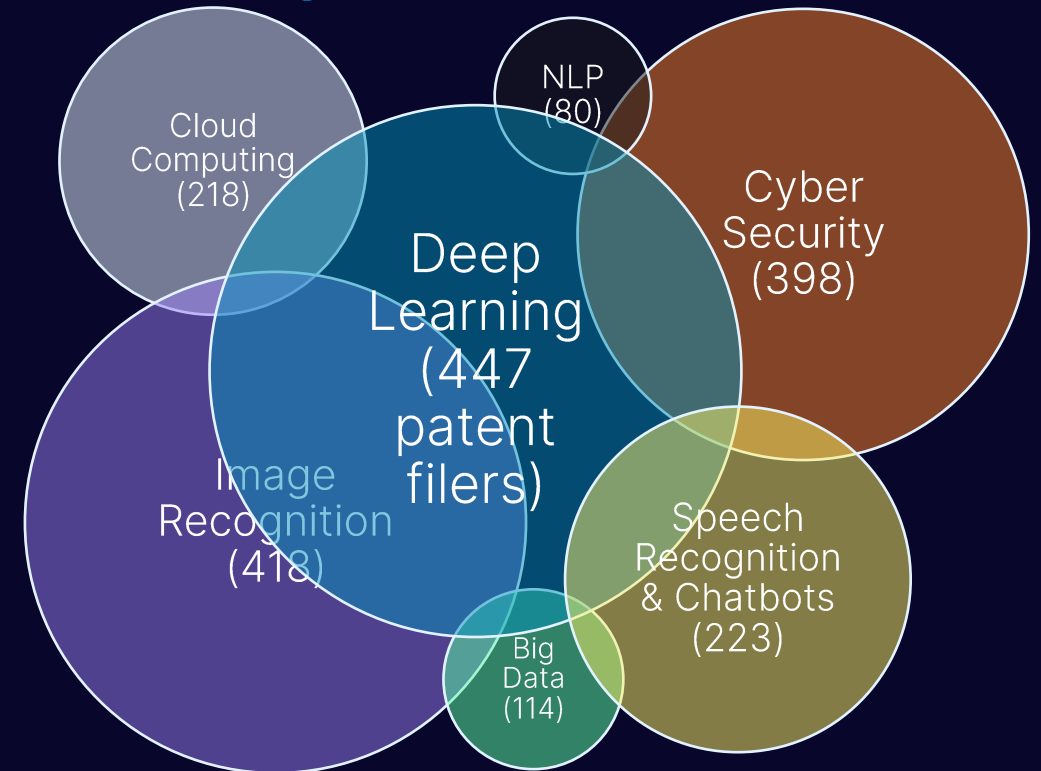
Nasdaq Global AI & Big Data™ Index (NYGBIG™)

NYGBIG is designed to track the performance of companies that are most active in filing patents relating to Deep Learning, Natural Language Processing (NLP), Image Recognition, Speech Recognition & Chatbots, Cloud Computing, Cyber Security, and Big Data. Of the 1,853 companies in the starting universe (NYDTB™), 725 filed patents in one or more of these areas; Deep Learning was most common with 447 companies filing related patents; 88 companies met all index criteria and were selected for NYGBIG inclusion

NYGBIG Broad Funnel



NYGBIG Eligible Constituents (725):

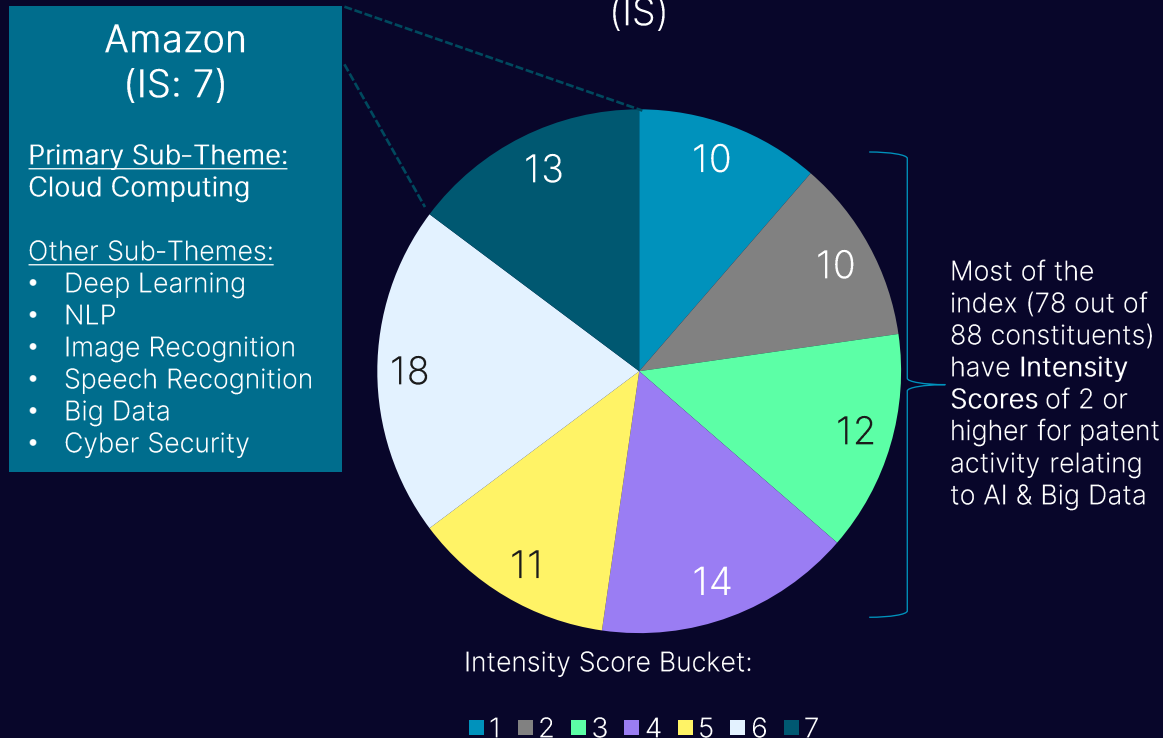


Patent Methodology Overview

Nasdaq Global AI & Big Data™ Index (NYGBIG™)

NYGBIG's universe of eligible constituents are assigned an Intensity Score, measuring the number of sub-themes (i.e. relevant technologies with patent filings) with a level of involvement (max score = 7, min = 1). Constituents are selected based on the strength of their Pure & Contribution scores (must be in the top 50th percentile to remain in the index, top 35th percentile for additions), as well as their Intensity Score. Preference is given to constituents that belong to ICB Subsectors determined as being most relevant to the theme, while also allowing a few other high-relevance, high-scoring stocks (e.g., Amazon) that are eligible irrespective of industry classification.

NYGBIG: # of Constituents per Intensity Score (IS)



NYGBIG Constituent Examples (Primary ICB Subsector):

<p>Alphabet (IS: 7)</p> <p><u>Primary Sub-Theme:</u> Speech Recognition</p> <p><u>Other Sub-Themes:</u></p> <ul style="list-style-type: none"> • NLP • Image Recognition • Deep Learning • Cloud Computing • Big Data • Cyber Security 	<p>Samsung Electronics (IS: 7)</p> <p><u>Primary Sub-Theme:</u> Deep Learning</p> <p><u>Other Sub-Themes:</u></p> <ul style="list-style-type: none"> • NLP • Image Recognition • Speech Recognition • Cloud Computing • Big Data • Cyber Security
<p>Western Digital (IS:5)</p> <p><u>Primary Sub-Theme:</u> Big Data</p> <p><u>Other Sub-Themes:</u></p> <ul style="list-style-type: none"> • Deep Learning • Image Recognition • Cloud Computing • Cyber Security 	<p>Juniper Networks (IS: 4)</p> <p><u>Primary Sub-Theme:</u> Cyber Security</p> <p><u>Other Sub-Themes:</u></p> <ul style="list-style-type: none"> • Deep Learning • Cloud Computing • Big Data

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