

Competitive Technology Report

Company: Bridgestone Corporation

Date: October 2023

With this report, Quant IP assesses the competitive position of a company from a technological perspective.

Using forward looking patent data and Machine Learning, Quant IP uncovers strengths and weaknesses in the current technology portfolio, identifies all relevant technological competitors and benchmarks the company's technology portfolio accordingly.

Quant IP also identifies the technology trends with the most potential for disruption and quantifies the company's capabilities to manage them.

This CTR has been produced by Quant IP. All content is subject to license agreements.



Our Solutions

Quant IP makes the untapped treasure trove of patent data available to the financial industry, delivering quantitative innovation insights, at the right speed and format for the use of financial decision-makers.



Fundamental Research

Using proprietary patent metrics, we create reports on every company on the planet with at least one patent, to help investors incorporate innovation into their decision making.

Determine the technological competitive position of companies, analyses of fields in the form of research reports.

More about Technology Reports

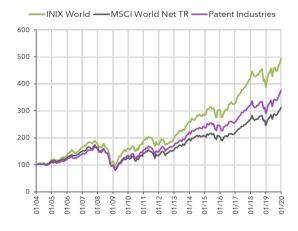
Thematic Investing & ESG

Using themes from our theme catalog or creating custom ones, Quant IP's API solution enables investors to conduct their own thematic research into innovation insights on technologies of interest.

Coupled with our Green Innovation offering, Quant IP helps investors filter for companies with exposure to certain themes or ones with the biggest impact on green innovation.



More about Thematic Investing



Data Feeds

Innovation leaders generate a long-term competitive advantage in both revenue and profit growth out-performance.

Quant IP Patent Data Packages allow investors to find alpha in company-level innovation metrics.

More about Data Feeds



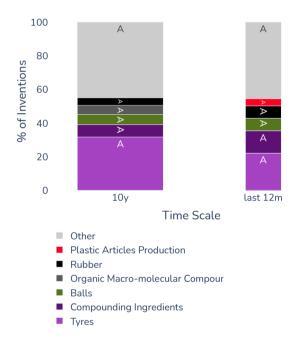
Executive Summary

Bridgestone Corporation ranks 2 in the Competitive Technology Benchmarking, scoring especially well with its patent portfolio size. In terms of quality and filing growth, the company would need to improve to reach a better position within the peer group of technology competitors.

Bridgestone Corporation is most active in the technological fields "Tyres", "Compounding Ingredients" and "Balls". The company's patent portfolio average quality rating is A, meaning that, on average, Bridgestone Corporation's patents are better than 53.5% of comparable patents from competitors.

The most important technological fields for the company and its peer group are "Tyres", "Climate Change in Transport" and "Compounding Ingredients". A technology disruption index of 95 indicates that Bridgestone Corporation is very well suited to withstand disruptive technology forces. The company is likely to disrupt rather than be disrupted in the near future.

Technological Footprint



Average Patent Quality



Technology Disruption Index





- 1- Technology Portfolio Evaluation
- 2- Technology Benchmarking
- 3- Technology Disruption Index

Technology Portfolio Evaluation

Innovation Activity
Green Innovation Activity
Top Inventors of the Company



Innovation Activity

Number of inventions

(last 20 years)

25.038

Green invention ratio (last 20 years)

5.8%

Annualized invention growth rate

(last 12 months)

1.1%

Annualized invention growth rate

(last 3 years)

1.2%

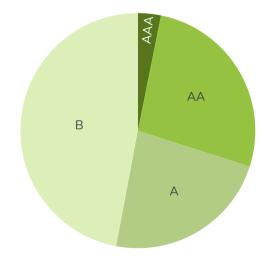
Average Patent Rating



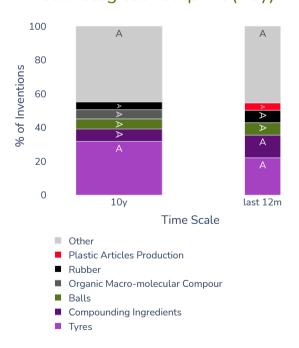
Combining expert domain knowledge with machine learning, Quant IP created Quant IP Patent Rating, the first indicator built on predictions of future patent success and therefore applicable from the first day of publication (see appendix).

Quant IP Patent Rating combines various indicators into one quality assessment quantifying the quality of a company's patents and the whole portfolio.

Patent Rating Distribution



Technological Footprint (10y)

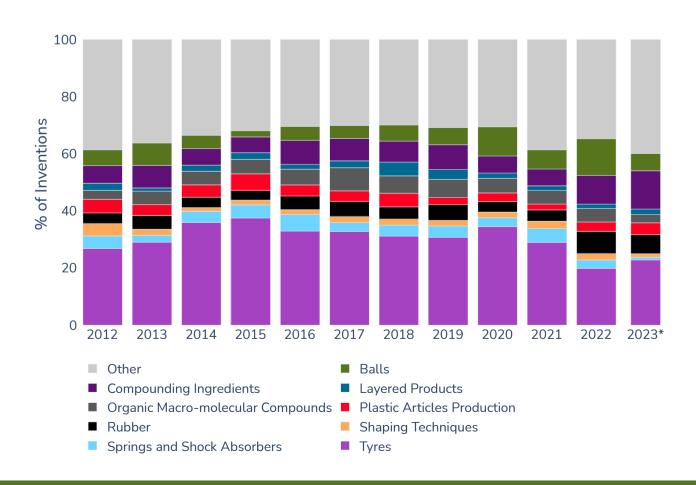




Patent Activity and Quality Over Time



Technology Footprint Over Time





Green Innovation Activity

Quant IP uses the Green Inventory definitions of the World Intellectual Patent Organisation (WIPO) to analyse green innovation activity that is relevant to the UN Sustainability Goals and are among the Environmentally Sound Technologies. Information regarding the green innovation of the company can be found below.

Number of green inventions

(last 20 years)

1,457

Green invention ratio (last 20 years)

5.8%

Annualized green invention growth rate

(last 12 months)

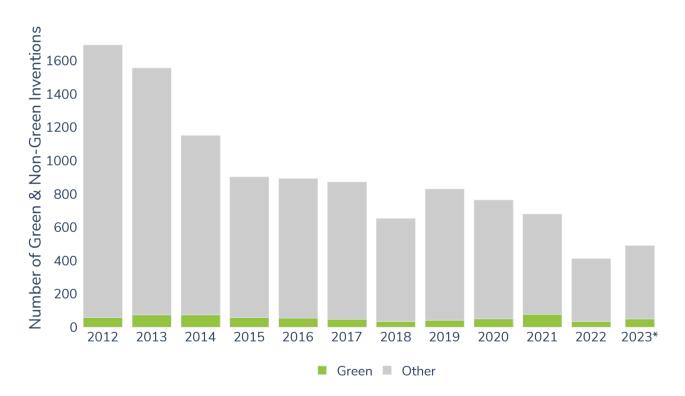
1.8%

Annualized green invention growth rate

(last 3 years)

2.0%

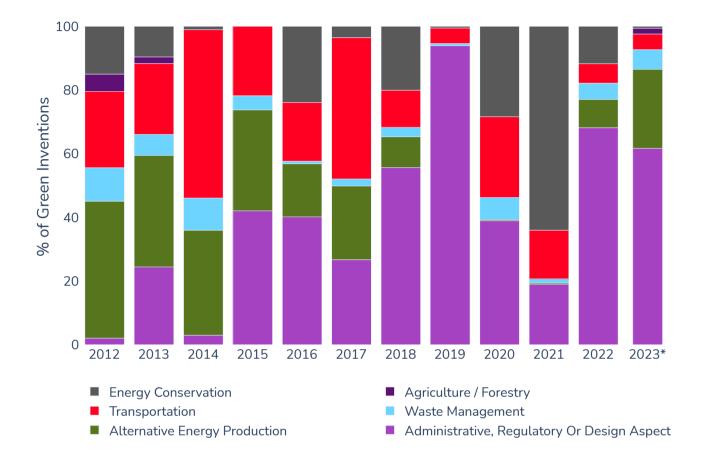
Green Invention Ratio Over Time





Green Technology Footprint Over Time

The graph below displays how the green innovation activity of Bridgestone Corporation has been distributed over green technology areas defined by the WIPO.





Top Inventors of the Company

Inventors are the individuals named on patent documents who made the discovery or took the innovative step, often on behalf of the company. The table of inventors below can be used in order to understand the human resources behind the R&D of a company, as well as the HR risks. If an employee who is responsible for a high fraction of the total innovative output leaves a company, it can lead to a decrease in innovative strength. Looking for existence of inventors with high activity in both 3 year and 10 year time frames, can indicate a strong talent retention strategy.

Inventor Name	Inventions (3y)	Inventions (10y)	Inventions (3y) % of total	Inventions (10y) % of total	Quality Score
桑山 勲	77	106	4.5	1.3	65
若尾 泰通	51	80	3.0	1.0	56
WATANABE, HIDEO	37	89	2.1	1.1	76
HIDEO, WATANABE	37	89	2.1	1.1	76
北野 創	37	39	2.1	0.5	46
大津 一高	34	58	2.0	0.7	29
渡邊 英郎	28	41	1.6	0.5	71
安井仁	19	20	1.1	0.3	57
森 隆浩	18	31	1.0	0.4	44
助川 新	17	34	1.0	0.4	59



- 1- Technology Portfolio Evaluation
- 2- Technology Benchmarking
- 3- Technology Disruption Index

Technology Benchmarking

Technology Benchmarking – Overview

Technology Benchmarking – Details

Technology Benchmarking – Market Share

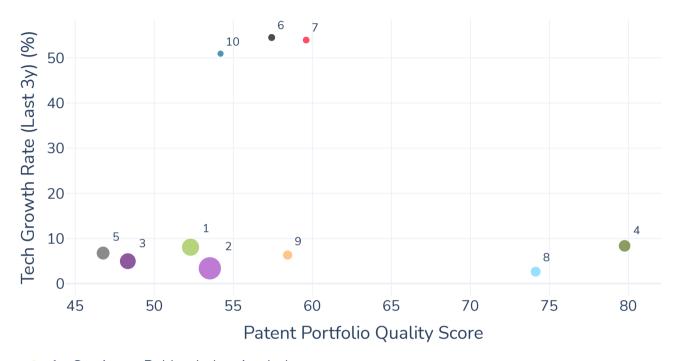
Technology Benchmarking – Evolution over 10 years

Technology Benchmarking - China Share



Technology Benchmarking – Overview

The graph below maps how Bridgestone Corporation is positioned among its peer group based on Patent Portfolio Quality and the Tech Growth Rate. The bubble size correlates to number of inventions of the company. See appendix for specific definitions of Patent Portfolio Quality Score and Tech Growth Rate.



- 1 Sumitomo Rubber Industries, Ltd.
- 2 Bridgestone Corporation
- 3 The Yokohama Rubber Co., Ltd.
- 4 Compagnie Générale des Établissements Michelin Société en commandite par actions
- 5 Toyo Tire Corporation
- 6 Linglong Group Co., Ltd.
- 7 Nexen Tire Corporation
- 8 The Goodyear Tire & Rubber Company
- 9 Hankook Tire & Technology Co., Ltd.
- 10 Qingdao Doublestar Co.,Ltd



Technology Benchmarking – Details

The table below displays how the company ranks among its technological peer group. This peer group is defined based on the technological footprint of the company, which can lead to a fresh perspective on competitive analyses. A company that is not a direct competitor in the market, can still be a valuable benchmark if the technological footprints are similar.

The ranking is an aggregation of how the company performs on size, growth and quality. The rank trend shows whether the company has been stepping up compared to competition or falling even further behind in the recent years, while the color of the company row shows whether the company is performing in the top 10% (green), bottom 20% (red) or in the middle (yellow), when the complete peer group is considered.

Company	Region	Portfolio Size (20y)	Absolute Growth (3y)	Relative Growth (%, 3y)	Quality Score	Rank	Rank Trend
Sumitomo Rubber Industries, Ltd.	Asia	14468	1946	8.1	52	1	⇒
Bridgestone Corporation	Asia	25038	1779	3.4	54	2	⇒
The Yokohama Rubber Co., Ltd.	Asia	12170	1058	5.0	48	3	⇔
Compagnie Générale des Établissements Michelin Soc	Europe	5832	737	8.4	80	4	⇒
Toyo Tire Corporation	Asia	7553	823	6.8	47	5	⇒
Linglong Group Co., Ltd.	Asia	1112	610	54.5	57	6	<i>P</i>
Nexen Tire Corporation	Asia	924	499	53.9	60	7	⇒
The Goodyear Tire & Rubber Company	US / Canada	3813	467	2.6	74	8	⇒
Hankook Tire & Technology Co., Ltd.	Asia	3097	286	6.3	58	9	⇒
Qingdao Doublestar Co.,Ltd	Asia	481	245	50.9	54	10	⇒
Kumho Tire Co., Inc.	Asia	2514	228	7.7	54	11	⇒
Nuri Holdings (S) Pte. Ltd.	Asia	518	205	39.0	44	12	⇒
Cheng Shin Rubber(Xiamen)Ind,Ltd.	Asia	439	99	22.6	43	13	⇒
Guangzhou Vanlead Group Co.,Ltd.	Asia	233	89	37.7	54	14	₽

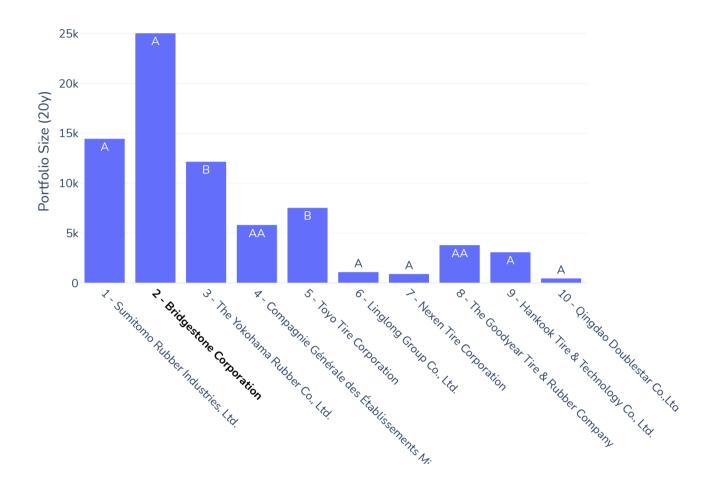


•							
Continental Tires (China) Co., Ltd.	Asia	147	78	53.1	37	15	D
Nokian Renkaat Oyj	Europe	148	53	28.2	70	16	P
Cheng Shin Rubber Ind. Co., Ltd.	Asia	102	46	38.7	48	17	⇒
Aeolus Tyre Co., Ltd.	Asia	253	41	16.2	50	18	D
Apollo Tyres Limited	Asia	86	26	30.2	70	19	⇒
Shandong New Continent Tire Co., Ltd.	Asia	31	28	90.3	51	20	D
Haci Ömer Sabanci Holding A.S.	Africa / Middle East	189	23	12.1	61	21	\
Jiangsu Topwer Tyre Co.,Ltd.	Asia	27	27	100.0	45	22	0
Kenda Rubber Industrial Co. Ltd.	Asia	336	18	5.0	44	23	\
Jiangsu Donghao Rubber Co., Ltd.	Asia	32	18	56.2	42	24	D
Shouguang Firemax Tyre Co., Ltd	Asia	55	15	27.3	43	25	⇒
Xianyang Huanghe Tyre Rubber Co., Ltd.	Asia	29	16	55.2	33	26	D
Qingdao Hengda Tyre Co., Ltd.	Asia	25	11	44.0	48	27	⇒
Kt Projektentwicklungs-Gmbh	Europe	36	8	22.2	78	28	⇒
Taizhou Taiyangfeng Rubber Co., Ltd.	Asia	18	10	55.6	39	29	⇒
Shandong Taishan Tyre Co., Ltd.	Asia	30	12	40.0	26	30	₽



Technology Benchmarking – Market Share

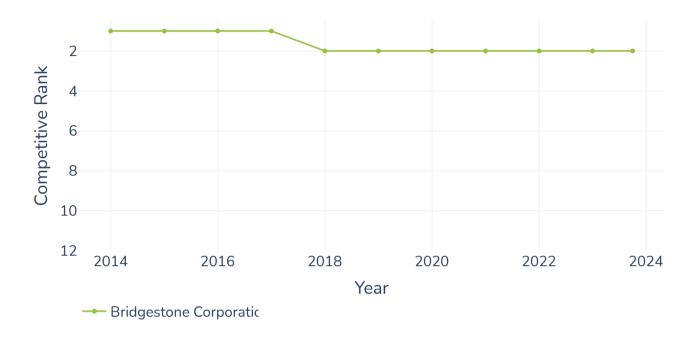
This graph displays how the IP Portfolio Size and the Average Quality Score of the top members of the peer group vary, compared to Bridgestone Corporation, helping spot dominant players and up-and-coming new entrants.





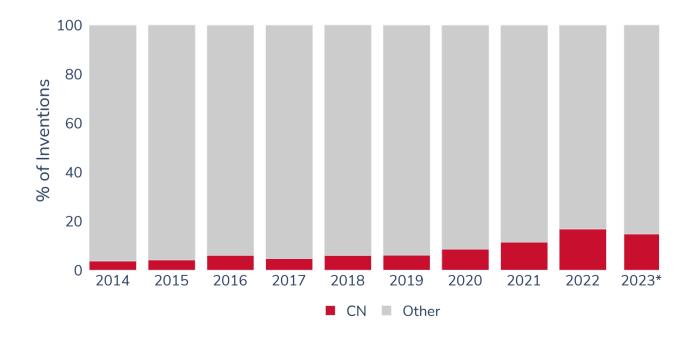
Technology Benchmarking – Evolution over 10 years

The graph below displays how the company was positioned within its peer group over time regarding its innovative output.



Technology Benchmarking - China Share

The graph below displays the fraction of inventions of to the company's peer group which are published by Chinese organisations. A higher ratio means that the Chinese companies have caught up in R&D and have a strong competitive presence in the relevant fields.





- 1- Technology Portfolio Evaluation
- 2- Technology Benchmarking
- 3- Technology Disruption Index

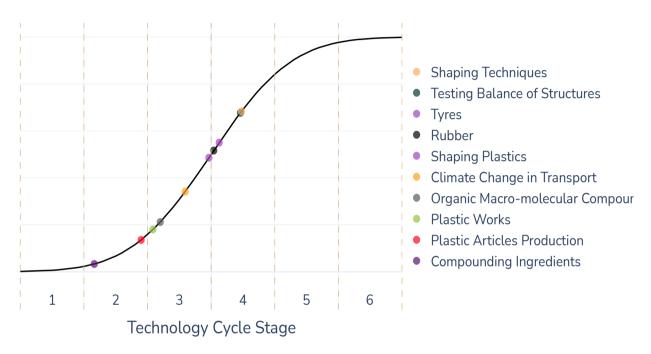
Technology Disruption Index

Technology Life Cycle Analysis Technology Trend Analysis Technology Disruption Index



Technology Life Cycle Analysis

The Technology Life Cycle mirrors the Technology Adoption S-Curves from a patent filing perspective with a lead time. Technologies in the earlier stages are novelties that might take a long time before showing significant returns on investments from there patent filing move to a sweet spot where most of the most important inventions in a cycle happen. After stages of decelerating growth the cycle closes when all relevant inventions are filed for A new cycle within one technology fields starts when new breakthrough technologies offer new market opportunities.



Stage 1 In this stage, few companies file for patents and filing growth is still low. Applications for new inventions are still far from certain and the risks of R&D investments are very high. At the same time rewards for companies able to file for key inventions are extremely high.

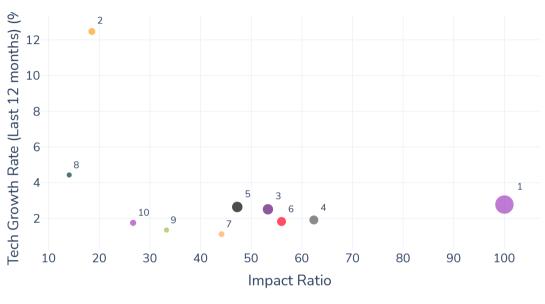
- Stage 2 In this stage, competitors accelerate their filing activity and new competitors feel confident to join as applications for new inventions become more obvious and the risks of R&D investments decrease. For companies with enough confidence in marketable solutions this is the sweet spot for ramping up filing activity as many key patents are filed at this stage.
- Stage 3 Here filing growth rates accelerate significantly and are very likely to stay high for some months or even years. At this stage it is the last chance to gain a significant share technology field for new entries as product launches start and the full potential of the market becomes apparent.
- **Stage 4** While companies coming late still enter the field, filing growth rates are peaking. Almost all important applications are known and product launches become more common.
- Stage 5 Here filing growth rates are slowing down considerably and some competitors leave the field because they cannot compete for the most prominent spots in the technology market. In the application market, first signs of consolidation appear as well.
- Stage 6 Almost all companies slowed down filing activity as the new technology has been filed for in every aspect. New technical approaches are needed to start a new cycle. Consolidation in the market for applications starts to accelerate even as revenues overall are still growing.



Technology Field Identification

The Technology Disruption Index is an objective assessment of the company's ability to withstand or actively manage disruptive technology trends. The first step is to identifying the tech fields that grow the fastest in both relative and absolute terms.

The graph below shows the trending fields relevant to the peer group. The graph highlights the importance of the technology field with the Impact Index and the expected future growth in the field over the next 12 months.



- 1 Tyres
- 2 Climate Change in Transport
- 3 Compounding Ingredients
- 4 Organic Macro-molecular Compounds
- 5 Rubber
- 6 Plastic Articles Production
- 7 Shaping Techniques
- 8 Testing Balance of Structures
- 9 Plastic Works
- 10 Shaping Plastics

The **Impact Index** (x-axis), quantifies the impact of a technology by measuring the received citations of the technology's inventions. The index is normalized to a range of 0 to 100, with the leading technology having a normalized impact of 100. A high impact index indicates that the technology is highly relevant for future developments.

The **Tech Growth Rate** (y-axis) quantifies a technology's relative growth in the last 12 months, by looking at the number of newly published inventions.

The **bubble size** reflects the number of inventions in the last 20 years, and thus the investments in that fields as of now.



Technology Trend Analysis

The table below provides the overview on important technology fields for the peer group of Bridgestone Corporation Size and Growth metrics are based on invention counts. It is important to note that all metrics take into account patents that are relevant to the target company.

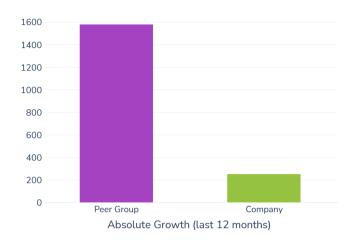
Technology Field	Absolute Growth (12m)	Relative Growth (%, 12m)	Impact	Disruptive Rank
Tyres	1583	2.8	100	1
Climate Change in Transport	607	12.5	19	2
Compounding Ingredients	465	2.5	53	3
Organic Macro-molecular Compounds	278	1.9	62	4
Rubber	479	2.6	47	5
Plastic Articles Production	327	1.8	56	6
Shaping Techniques	102	1.1	44	7
Testing Balance of Structures	143	4.4	14	8
Plastic Works	69	1.3	33	9
Shaping Plastics	139	1.7	27	10
Chemical Compounding Processes	72	1.2	32	11
Analyzing Material Properties	98	4.1	10	12
Rubbers	69	2.6	14	13
Digital Data Processing	44	5.4	7	14
Layered Products	36	0.9	27	15
Copolymers	49	2.8	10	16
Recognition and Presentation of Data	31	7.5	4	17
Homo- and Copolymers	40	2.2	12	18
Measuring Force & Mech. Properties	31	2.7	9	19
Catalysts for Macro Compounds	29	1.2	16	20

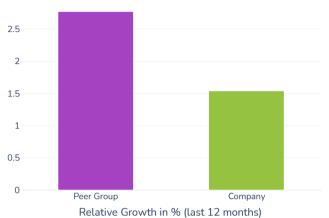
The 3 highlighted above are the fields with the highest growth and the most impactful. They are therefore selected for further analysis for impact. In the following pages, each field is examined in more detail.



Technology Field Benchmarking: "Tyres"

The most common keywords among patents relevant to this technology field are: pneumatic tire, rubber composition, tire tread





Size:

9886
Inventions in the last 20 years (49.4% of the patents in this field among the peer group)

Quality:

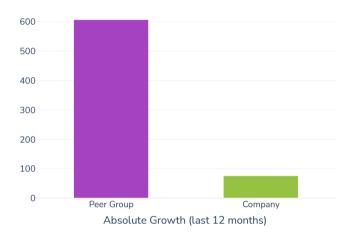


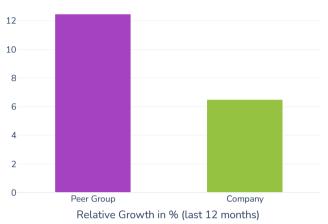




Technology Field Benchmarking: "Climate Change in Transport"

The most common keywords among patents relevant to this technology field are: rubber composition, pneumatic tire, tire tread





Size:

930
Inventions in the last 20 years (35.9% of the patents in this field among the peer group)



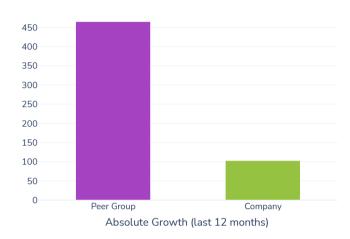


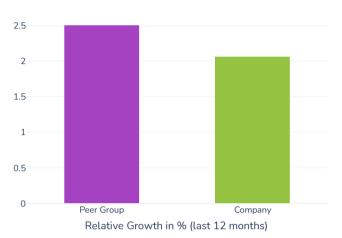




Technology Field Benchmarking: "Compounding Ingredients"

The most common keywords among patents relevant to this technology field are: rubber composition, pneumatic tire, tire tread





Size:

2893
Inventions in the last 20 years (46.2% of the patents in this field among the peer group)



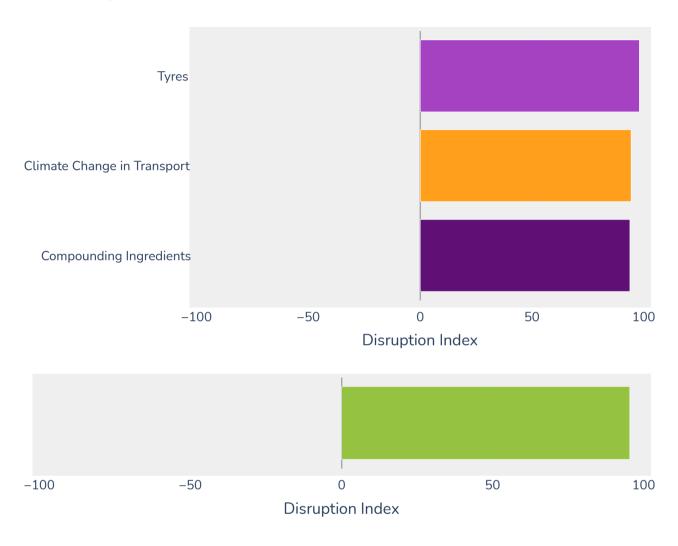






Technology Disruption Index

A technology disruption index of 95 indicates that Bridgestone Corporation is very well suited to withstand disruptive technology forces. The company is likely to disrupt rather than be disrupted in the near future.





Appendix

Glossary

Patent Processes in a Nutshell: Introduction

Quant IP Patent Rating

Quant IP Benchmarking



Glossary

Invention - New product, process or apparatus or any new use thereof. To be patentable, an invention must be novel, involve an inventive step and be susceptible of industrial application.

Patent Application - Request for patent protection for an invention filed with a patent office. Aimed at legal protection for the invention in the patent offices' jurisdiction.

Pending Patent - Patent application that is filed and in process to receive a grant from the patent office.

Granted Patent - Patent application that is filed and has received a grant from the patent office.

Active Patent - Granted patent that is not expired or otherwise discontinued.

Patent Family - Set of interrelated patent applications filed in one or more countries to protect the same or a similar invention by a common inventor and linked by a common priority.

Priority - A priority is a right to file applications for the same invention at other offices within 12 months of the first application and yet claim the filing date of the first application.

Priority Date – Filing date of the earliest patent application of an invention.

Filing Date - The date when a patent application is first filed at a patent office.

Publication Date - The date on which a patent document is published. Most patents are published 18 months after filing.

Publication Number - The publication number is the number assigned to a patent application on publication.

Applicant - A person or an organization that has filed a patent application. There may be more than one applicant per application.

IPC – International Patent Classification, currently divides all technologies into approximately 70 000 areas.



Citations - A list of references containing cited and citing documents. As in academia, citations are used as an indicator for the quality of the invention.

Cited Document - Documents that are cited by a specific patent document by a patent authority or by the applicant. Also known as backward citations.

Citing Documents - Patent documents that cite a specific patent. Also known as forward citations.

Technology Field – A subset of IPC classifications or a number of patents which define a specific technology.

Technology Life Cycle – The time period in between two minima of patent filing activity related to a specific technology. A global maximum is present within the life cycle. Quant IP defines 6 phases within a cycle.

Technology Footprint – All technology fields of a collection of patent families displayed in percentage and weighted by size.

Disruptive Technology – Innovations/technology fields that significantly alter the way that consumers, industries, or businesses operate. Disruptive technologies show above average growth rates and higher than average impact.

Patent Quality Score – Quant IP proprietary scoring algorithm predicting the success of a patent family, compared with similar patents.

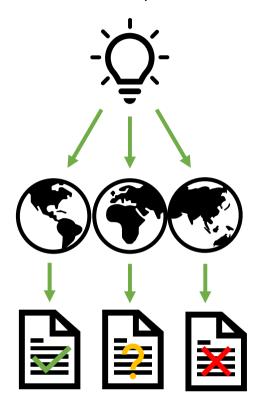
Patent Rating – Quant IP proprietary patent rating with 4 categories AAA (top 10%), AA (top 30%), A (top 50%) and B (bottom 50%), derived from the Patent Quality Score.



Patent Processes in a Nutshell: Introduction

The intellectual property domain can be complicated for professionals not involved in it at a daily basis. Here is a basic summary to explain the terms and include all you might need to know to understand this report.

- When a new discovery is made you can apply for a patent. This discovery is called an invention.
 - Each incremental discovery is an invention on it is own. Often, a single product consists of many inventions.
- You need to file for a patent in each country separately and creating many patent filings for one invention.
 - Each application comes with its own filing costs, results and upkeep costs, making it a strategic decision to internationalize.









- These patent documents are all linked to one invention. They are also called a patent family.
- Patent filings that are not yet granted are referred to as pending or as a patent application.
- If the patent offices grant the right, the patent becomes a granted or active patent until it expires.



Quant IP Patent Rating

Quant IP Patent Rating takes a purely quantitative approach and is based on proprietary algorithms to predict patent success in three critical areas. It is based on benchmarking inventions relative to similar ones and thus makes it possible to compare the quality of patents in all technical fields.

Quant IP Patent Rating is based on three Quality Scores defined as:

Grant Robustness: The average probability for a patent to be granted in 4 major jurisdictions (USA, EU, China, Japan), evaluated at the time of publication of the patent application.

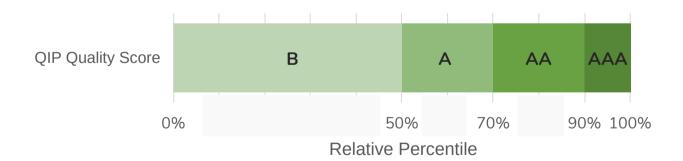
Market Potential: The predicted number of markets the rights for the innovation is secured within 2 years after publication date.

Citation Potential: The predicted number of forward citations an invention receives 5 years after filing.

Quant IP Quality Score is an aggregated score of the three scores above. Quant IP Quality Score is translated into Quant IP Patent Rating.

Quant IP Patent Rating percentiles based on the Quant IP Quality Scores for similar patents are defined as follows:

AAA – Top 10%, AA – Top 30%, A – Top 50%, B – Bottom 50% Similar patents are determined using IPC classification codes, a standard developed by the European Patent Office to classify and categorize patent documents





Quant IP Benchmarking

Reference Applicant - The applicant of interest.

Quant IP Peer Group - All applicants that are active in the same technological fields as the reference applicant including the reference applicant. Quant IP uses several similarity metrics on patent level and company level (tech footprint) to derive a peer group of the technological competitors.

Competitor - An applicant in the peer group excluding the reference applicant.

Patent Portfolio – All patent documents assigned to an applicant.

Patent Portfolio Quality Score – Average Quant IP Quality Score for a portfolio of inventions .

Technology Growth Rate – Ratio of inventions published in the last 12 months over the relevant applicant portfolio.

Technology Benchmark – Ranked list of applicants inside the peer group based on technology competitiveness (innovation strength). The Benchmarking is based on the size of the relevant patent portfolio, the technology growth rate and the patent portfolio quality score.



Disclaimer (1/2)

This report is provided by Quant IP GmbH, Nymphenburger Straße 5, 80335 (hereinafter referred to as "Quant IP") to institutional investors only. It must not be provided to any other third party, including retail clients.

This report is for information purposes only and does not take into account specific circumstances of any recipient. The information contained herein does not constitute the provision of investment advice. It is not intended to be and should not be construed as a recommendation, offer or solicitation to acquire, or dispose of, any of the financial instruments and/or securities mentioned in this document and will not form the basis or a part of any contract or commitment whatsoever. Investors should seek independent professional advice and draw their own conclusions regarding suitability of any transaction including the economic benefits, risks, legal, regulatory, credit, accounting and tax implications.

The past performance of financial instruments is not indicative of future results. No assurance can be given that any financial instrument or issuer described herein would yield favourable investment results. Any forecasts or price targets shown for companies and/or securities discussed in this document may not be achieved due to multiple risk factors including without limitation market volatility, sector volatility, corporate actions, the unavailability of complete and accurate information and/or the subsequent transpiration that underlying assumptions made by Quant IP or by other sources relied upon in the document were inapposite.

The information in this report is based on public data obtained from sources believed by Quant IP to be reliable and in good faith, but no representations, guarantees or warranties are made by Quant IP with regard to accuracy, completeness or suitability of the data. Quant IP has not performed any independent review or due diligence of publicly available information regarding an unaffiliated reference asset or index. The opinions and estimates contained herein reflect the current judgement of the author(s) of the report on the date of this document and are subject to change without notice. Quant IP does not have an obligation to update, modify or amend this report or to otherwise notify a reader thereof in the event that any matter stated herein, or any opinion, projection, forecast or estimate set forth herein, changes or subsequently becomes inaccurate.

Quant IP has prepared this report and all its content to the best of its knowledge and belief. Quant IP has exercised due diligence in the selection of raw data providers, the development of analytical tools, and the verification of the results of this report.



Disclaimer (2/2)

Although Quant IP shall obtain information for inclusion in the report from sources that Quant IP considers reliable, the data, information and all content in this report is provided "as is" Neither Quant IP nor any of its affiliates, any of its officers and employees or any of its direct or indirect information providers nor any other third party involved in or related to the compilation of or creation of this report, or any component thereof makes any representation or warranty of any kind either express or implied, with respect to the data, information and all content, the results to be obtained by the use thereof or any other matter Further Quant IP expressly disclaim any and all implied warranties, including without limitation, warranties of originality, accuracy, completeness, timeliness, merchantability and fitness for a particular purpose.

Neither Quant IP nor any of its respective directors, officers or employees shall in any event have any liability to the recipient(s) of this report or any third party for any damages of any kind arising out of, or in connection with any errors, omissions or misinterpretations of content of this report.

Quant IP may provide hyperlinks to websites of entities mentioned in this report, however the inclusion of a link does not imply that Quant IP endorses, recommends or approves any material on the linked page or accessible from it. Quant IP does not accept responsibility whatsoever for any such material, nor for any consequences of its use.

This document is for the use of the addressees only and may not be reproduced, redistributed or passed on to any other person or published, in whole or in part, for any purpose, without the prior, written consent of Quant IP. The manner of distributing this document may be restricted by law or regulation in certain countries, including the United States. Persons into whose possession this document may come are required to inform themselves about and to observe such restrictions. By accepting this report, a recipient hereof agrees to be bound by the foregoing limitations.

Additional Information for certain countries:

United States: This report is intended for distribution in the United States solely to "institutional investors" and "major US institutional investors", as defined in Rule 15a-6 under the Securities Exchange Act of 1934.

United Kingdom: This report is directed exclusively to eligible counterparties and professional clients. It is not directed to retail clients. No persons other than an eligible counterparty or a professional client should read or rely on any information in this document.

Switzerland: The financial instruments mentioned in this report do not constitute a participation in a collective investment scheme in the sense of the Swiss Collective Investment Schemes Act (CISA). This report, the information contained herein as well as any other publication in connection with the financial instruments mentioned herein may be distributed exclusively to qualified investors as defined in the CISA and may only be made available to such qualified investors.