

Fact sheet | Derwent World Patents Index

The world's patent data, curated and simplified

Patent data is an invaluable resource for evaluating technology trends, tracking competitors, and identifying risks.

However, capturing useful insights from patent data has become more challenging as patent filings continue to grow, originate from more jurisdictions, and in more languages.

For nearly 60 years, Clarivate has combined the knowledge of industry experts with a big data approach to provide the premier source of global patent data, the Derwent World Patents Index™.

By translating, indexing and enhancing global patent documents, DWPI enables more comprehensive and relevant patent search results, while also supporting faster review and evaluation of a patent's contents.

40

National Patent Offices worldwide use DWPI

R&D and IP professionals at the world's most innovative companies and leading law firms rely on the Derwent World Patents Index to help them find the most relevant patents in less time.

DWPI makes patent research more efficient and effective

Obtain more comprehensive, more relevant keyword search results

DWPI improved keyword search results by 79% compared to patent searches performed without DWPI on other patent search platforms.¹

Spend less time reviewing your results

DWPI titles are enhanced using descriptive, standardized language to help you quickly identify the most relevant documents.

Understand a patent's contents quickly and confidently

DWPI abstracts describe the patent's novelty, use and advantage using clear language based on editorial standards.

See an invention's complete global patent coverage

DWPI families go beyond priority relationships and group patents by invention, including non-convention equivalents and separating continuations that introduce new inventions into new families.

Evaluate the global patent landscape of a specific technology domain

DWPI classifications let you find a comprehensive set of patents related to a specific technology, regardless of source jurisdiction and without having to sort through irrelevant publications.

Before becoming a DWPI record, a patent publication is:

Translated into English from over 30 original languages

Normalized using machine learning and manual review, applying standardized, Latin character company and inventor names

Indexed by technology category using 322 classes across 21 sections

Enhanced with a descriptive title provided by an editor with subject-matter expertise

Summarized with standardized abstracts that clearly state novelty, use, and advantage

Curated by inventive feature using over 26,000 codes applied by a patent editor

¹ Refer to our [study](#) for additional detail on how patent search applications were evaluated.

Every DWPI Abstract includes editorially-enhanced content in clearly displayed fields

- 1. Title:** describes the invention and its use in standard language to make it easier to retrieve the document with keyword searches and assess its relevance.
- 2. Novelty:** identifies the unique inventive feature that characterizes the invention and distinguishes it from existing technology.
- 3. Description:** describes the inventive feature and all independent claims.
- 4. Use:** outlines all uses and industrial applications of the invention and specifically highlights the main application of the patent.
- 5. Advantage:** describes how the novelty is an improvement over prior art.
- 6. Other fields:** including Technology Focus, Activity, Mechanism of Action, Description of Drawing, Wider Disclosure, Specific Substances and more to help you quickly discern key information.

PATENT/PUBLICATION:US8910819B2

Key summary data

| | | | |
|--------------------|--|------------------------|------------------------------------|
| Patent | ● Alive | Publication date | 2014-12-16 |
| DWPI family | ● Alive | Expiration date | 2031-11-28 (estimated) |
| INPADOC family | ● Alive | Remaining life | 3609 days (9 year(s), 10 month(s)) |
| Original assignee | YETI Coolers LLC, Austin, TX, US, Selders Roy J... | Domain Influence | 80.02 |
| Optimized assignee | YETI COOLERS LLC | Strategic Importance | 17.23 |
| Ultimate parent | YETI COOLERS LLC | Combined Patent Impact | 68.19 |

Bibliography

1 DWPI title
Latching mechanism for maintaining closed position between top portion and bottom portion of e.g. ice cooler, has latch keeper integrally molded to bottom portion of container and comprising recessed pocket for receiving latch

2 DWPI abstract
(US20120132657A1)
Novelty
The mechanism (20) has a latch (22) attached to a top portion of an insulating container (10), and a latch keeper (40) integrally molded to a bottom portion of the container. The latch keeper has a recessed pocket (42) formed in an elongated keeper slot, where the pocket receives the latch. The latch is made of a flexible, stretchable, resilient, one-piece molded material and pivotally attached to and received within a recessed, elongated latch slot integrally molded within the top portion. A grasping portion of the latch is formed in t-shape, y-shape or tab-shape.

3 Detailed description
The portions of the container are formed from plastic using a roto-molding process. An INDEPENDENT CLAIM is also included for an insulating container comprising a latching mechanism.

4 Use
Latching mechanism for maintaining a closed position between a top portion and a bottom portion of a container i.e. insulating container (claimed) such as cooler, ice chest and ice cooler, for receiving and storing contents, items and goods. Can also be used for a closet, a door and a window.

5 Advantage
The engaging portion of the mechanism is sized and shaped so as to provide maximum contact with the recessed pocket, thus ensuring an easily maintainable closure. The insulated container and the latching mechanism can be easily and efficiently manufactured into a durable and reliable construction capable of withstanding harsh environments and rough handling. The latch keeper has the recessed pocket for receiving the latch that is made of the flexible, stretchable, resilient, one-piece molded material, thus maintaining sufficient tension to maintain the closed position without any deformation.

6 Drawing description
The drawing shows a plan view of a latching mechanism with a cut-away of an engaging portion.
10 - Insulating container.
20 - Latching mechanism.
22 - Latch.
40 - Latch keeper.
42 - Recessed pocket.



Enhanced, normalized patent data with broad regional and technology coverage

Global coverage across all regions, including jurisdictions in Asia-Pacific with high growth rates of patent applications and grants.

Standard editorial rules ensure patent titles and abstracts use consistent, industry-specific language.

Standardized assignee and inventor names provided using machine learning and human review processes. Names are normalized from 30 original languages, checked for transliteration errors and verified against proprietary inventor and assignee dictionaries.

Abstract coverage includes utility models and emerging technologies.



Additional value-added information included standard with DWPI

Derwent Manual Codes: Quickly find a comprehensive set of global patents for a specific technology category – over 26,000 codes assigned to each DWPI record based on the patent's application(s) and inventive feature

Derwent Patents Citation Index™ (DPCI): Obtain a comprehensive view of patent and literature citations, examiner and author, forward and backward, collated at the invention (DWPI family) level.

Derwent Chemical Patents Index (DCPI): Quickly find all possible claimed substances, including Markush structures redrawn according to standardized rules.

DWPI by the numbers:

105M+

global patent publications
covered by DWPI abstracts

51M+

DWPI families

800+

priority data
errors corrected
every week

88K+

new DWPI abstracts
created on average
every week

61

sources, including 59
patent-issuing authorities
and 2 literature sources

900+

patent editors write
abstracts based on their
technical domain expertise

Choose the options for accessing DWPI that match your team's needs

Derwent Innovation: With DWPI in Derwent Innovation, R&D and IP professionals find more comprehensive, more relevant results for higher confidence patentability, FTO and validity decisions.

Innography: With DWPI in Innography, IP professionals, innovators, and business leaders are able to more quickly evaluate technology trends, competitive threats, and market opportunities.

Analytics Data Hub: Capture unique, in-depth insights by exploring DWPI content alongside Clarivate's extensive trademark, patent and IP case data using powerful analysis and configurable visualization tools.

DWPI API: Provides the flexibility to integrate DWPI with your organization's BI tools, dashboards, and data warehouses.

DWPI records provide translated, descriptive titles and abstracts, normalized and corrected data, and value-added information to enhance and improve the original patent publication

PATENT/PUBLICATION:CN102713779B

Key summary data

| | | | |
|--------------------|------------------------|------------------------|-----------------------------------|
| Patent | Alive | Publication date | 2015-12-02 |
| DWPI family | Alive | Expiration date | 2030-11-05 (estimated) |
| INPADOC family | Alive | Remaining life | 3224 days (8 year(s), 9 month(s)) |
| Original assignee | Irobot Corporation, US | Domain Influence | 8.10 |
| Optimized assignee | IROBOT CORP | Strategic Importance | 2.62 |
| Ultimate parent | IROBOT CORP | Combined Patent Impact | 7.08 |

Bibliography

DWPI title
Mobile device e.g. robotic floor cleaner for navigating surface e.g. floor of room, has region-covering module that covers edge-discovered regions of floor surface, if such region of floor surface is discovered

DWPI abstract
(WO2011057153A1)
The device has mapping module to update map representing data about surface of floor, where map associates with locations having several properties. Two region-covering modules make movement mechanism to move mobile device so as to cover specific and additional regions of floor surface. An edge-following module makes movement mechanism to move mobile device following identified undetected edges of floor surface. Another region-covering module covers edge-discovered regions of floor surface, if such region of floor surface is discovered.

Novelty
The device has mapping module to update map representing data about surface of floor, where map associates with locations having several properties. Two region-covering modules make movement mechanism to move mobile device so as to cover specific and additional regions of floor surface. An edge-following module makes movement mechanism to move mobile device following identified undetected edges of floor surface. Another region-covering module covers edge-discovered regions of floor surface, if such region of floor surface is discovered.

Detailed description
An INDEPENDENT CLAIM is included for surface navigation method.

Use
Mobile device e.g. cleaning device such as robotic floor cleaner for navigating surface such as floor and wall (all claimed) of room. Can also be used for navigating corridors, vehicle interior, lawns, field, patios, roofs, sidewalk, road water bodies, swimming pool, ceilings, etc.

Advantage
The covering of the exposed environment or a portion of environment is performed completely.

Drawing description
The drawing shows a flowchart explaining the process for navigating surface of floor.
100 - Process for navigating surface of floor.
110 - Initial starting location setting process.
120, 130, 140 - Region-based covering processes.
150 - Surface perimeter covering process.
160 - Surface navigation completion process.

DWPI Record Example

(19) 中华人民共和国国家知识产权局

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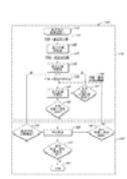
(73) 专利权人 艾罗伯特公司
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(72) 发明人 迈克尔·S·斯托特
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审查员 朱艳华

(54) 发明名称
用于通过自主型机器人完全覆盖表面的方法和系统

(57) 摘要
本发明公开一种机器人,被配置为在一表面上移动,所述机器人包括:移动机构;逻辑地图,其表示关于该表面的数据并且在期间将多个位置与观察到的一个或多个属性相关联;初始化模块,被配置为建立初始位置和初始定向的初始姿势;区域覆盖模块,被配置为引起机器人移动从而覆盖区域;边缘跟踪模块,被配置为引起机器人跟随未被跟踪的边缘;控制模块,被配置为在至少部分地基于初始姿势的至少一部分限定的第一区域上调用区域覆盖,以调用边缘跟踪,并且调用区域覆盖引起映射模块将被跟踪边缘标记为已被跟踪,并且引起在边缘跟踪期间发现的区域上进行第三区域覆盖。



Original Publication

Better decisions start with better insights

Is your team able to find the right answers using basic patent data? The decisions that power your company's competitive advantage – what inventions to protect, who to partner with, or whether to launch a new product – require patent data that goes beyond basic.

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