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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.

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Before becoming a DWPI record, a patent publication is:

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- 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.
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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: US8910819
- Publication date: 2014-12-05
- Remaining life: 34 years (9 years, 10 months)
- Original assignee: VETTI Coolers LLC, Austin, TX, US, Sellers
- Strategic importance: 17.23

**Bibliography**

**DWPI Title**

Latching mechanism for maintaining closure parallel 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

**Novelty**

The mechanism (23) has a latch (23) attached to a top portion of an insulating container (10), and a latch keeper (43) integrally molded to a bottom portion of the container. The latch keeper has a recessed portion (42) formed in an elongated keeper slot, where the post receives the latch. The latch is made of a flexible, strappable, resilient, one-piece molded material and plastically attached to and received within a recessed, elongated latch slot integrally molded within the top portion. A gripping portion of the latch is formed in “I” shape, y shape or “U” shape.

**Detailed description**

The portions of the container are formed from plastic using a rotomolding process. An INDIVIDUAL CLAIM is also included for an insulating container comprising a latching mechanism.

**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 closed, a door and a window.

**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 readily and efficiently manufactured into a durable and reliable construction capable of withstand long environments and rough handling. The latch keeper has the recessed portion for receiving the latch that is made of the flexible, strappable, resilient, one-piece molded material, thus maintaining sufficient tension to maintain the closed position without any deformation.

**Drawing description**

The drawing shows a plan view of a latching mechanism with a cut-away of an engaging portion.

1. Insulating container.
2. Latching mechanism.
3. Latch.
4. Recessed pocket.
5. Latch keeper.
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**PATENT/PUBLICATION:CN102713779B**

**Key summary data**

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**DWPI Record Example**

**Original Publication**
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