

Title (en)

Entirely textile-based, lightweight, and blast resistant cargo container system and manufacturing method thereof

Title (de)

Vollständig textilbasiertes, leichtgewichtiges und explosionsbeständiges Frachtcontainersystem und Herstellungsverfahren dafür

Title (fr)

Système de conteneurs de chargement résistant contre le souffle, léger et entièrement à base de textile et son procédé de fabrication

Publication

EP 2492217 B1 20131120 (EN)

Application

EP 11401030 A 20110222

Priority

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Abstract (en)

[origin: EP2492217A1] The invention comprises an entirely textile-based, lightweight, and blast resistant cargo container system which is deformable in a defined way, flexible, and foldable for primary use in ail transportation industries, characterised in that the cargo container system comprises a gastight and high-strength multilayer textile structure using an internal coating, consisting of at least three textile layers and of at least three parts: - a front part (1) containing high-strength and gastight zip system for opening and closure system - a back part (2) - a middle part (3) connecting the front part (1) and back part (2) whereby the three parts are joined by sealed seams and whereby the whole container system is equipped additionally with following components: #c at least four attached hanging loops (5) equipped with cam buckles and/or single studs fixed at the outside of the container to install, fasten or hang the container into vehicles and/or #c at least two cross-linked attached fastening straps (6) equipped with snap hooks and D-rings and/or #c a net-like structure fixed around the outside to envelope and reinforce the textile container and/or #c a reinforcing composite element (7) for floor and/or lateral back wall inside and/or #c a free standing inner frame made of composite tubes.

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102020110598A1; CN109573077A; CN114056789A; DE102017130163A1; CN115976731A; EP3998190A1; DE102020110592A1; US10677460B2; EP3095590A1; US10113848B2; WO2019115228A1; WO2021083791A2; DE102020133943A1; US11945603B2

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