Title (en)
Expandable modular rack design

Title (de)
Erweiterbares modulares Gestelldesign

Title (fr)
Design de grille modulaire extensible

Publication
EP 1855513 A1 20071114 (EN)

Application
EP 07008290 A 20070424

Priority
US 42989206 A 20060508

Abstract (en)
An expandable rack (20) for supporting and/or storing articles and/or article housing structured and arranged to transition from a collapsed position to an extended position is disclosed. The rack (20) is suitable for use in a confined space such as the interior of a vehicle. The rack comprises a plurality of substantially vertical support posts (22,24,26,28) and a plurality of foldable substantially horizontal frame members (56A,56B;58A,58B;60A,60B) that are pivotally connected between adjacent substantially vertical support posts. The horizontal frame members are moveable from a collapsed folded position, that is adjacent to and substantially vertical along a vertical support post, to an extended unfolded position, that is substantially perpendicular to the support post. The expandable rack (20) can comprise integral fasteners. A pallet mounted expandable rack system and a method for deploying an expandable rack within a vehicle are also disclosed.

IPC 8 full level
H05K 1/18 (2006.01); **A47B 43/04** (2006.01); **H02B 1/34** (2006.01)

CPC (source: EP US)
E04C 3/005 (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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DOCDB simple family (application)
EP 07008290 A 20070424; IL 18241407 A 20070410; US 42989206 A 20060508