

Title (en)
Bendable shelf for foldable refrigerated display

Title (de)
Faltbares Regal für faltbaren gekühlten Verkaufständer

Title (fr)
Étagère pliable pour présentoir pliable réfrigéré

Publication
EP 2638825 A1 20130918 (EN)

Application
EP 12461507 A 20120314

Priority
EP 12461507 A 20120314

Abstract (en)
A bendable shelf (50) made from bendable material having a shape of a spatial body comprises a lower wall (151), which is bendable along at least one bending line (351) along which a central hinge is formed, whereas each bending line (351) divides the lower wall (151) into component elements, each of which has supporting elements with inner supporting surfaces, and the inner supporting surfaces lying opposite each other of two neighbouring supporting elements attached to the lower wall (151) contact and act on each other after stretching form a stiff non-removable spacer between elements (10, 20) of support constructions and preventing the bendable shelf (50) from bending with a convexity downwards, and that the bendable shelf has catches (51) protruding beyond sides of bendable shelf (50) and hooked in openings (11) of elements (10, 20) of support constructions, and each of the catches (51) together with the opening (11) of the elements (10, 20) of support constructions forms a side hinge (57) allowing self-aligning movement of the component element of the bendable shelf (50) in respect to the elements (10, 20) of support constructions.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
• DE 3906936 A1 19890914 - EUROPA CARTON AG [DE]
• AU 1507083 A 19841206 - MEAD CORP
• EP 1459650 A1 20040922 - STANGE HANS-PETER [DE]
• WO 2011078826 A1 20110630 - KABAKCI MUSTAFA [TR]
• US 2005279906 A1 20051222 - MOSS GEOFFREY A [CA], et al

Citation (search report)
• [XA] EP 1099398 A1 20010516 - WIMO NV [BE]
• [A] US 2004089208 A1 20040513 - ZHENG XIAOYU [US]
• [A] EP 1208777 A1 20020529 - MICHEL LEBLANC B V B A [BE]
• [A] US 5669683 A 19970923 - MOSS WILLIAM F [US], et al
• [A] FR 2907202 A1 20080418 - RENARD ANDRE [FR]

Cited by
CN110584392A; DE102017001935A1; FR3062900A1; US11326829B2; WO2018146389A1

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