

Title (en)
FOLDING BOX WITH FOLDING BELLWS

Title (de)
FALTSCACHTEL MIT FALTBÄLGEN

Title (fr)
BOITE PLIANTE A SOUFFLETS PLIANTS

Publication
EP 1740470 A2 20070110 (DE)

Application
EP 05726336 A 20050422

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• EP 05726336 A 20050422

Abstract (en)
[origin: US2008011746A1] The invention concerns collapsible or folding parallelepiped, cubic or hexagonal boxes, comprising a base wall (4) and four side walls (3, 5, 12), which are hinged successively, in each case via folding bellows (11, 13, 14, 15) arranged in the angular zones of the box, such that said folding box can shift from a flat position, wherein the folding bellows are flat and separated from one another, into a projecting position, wherein the folding bellows are assembled by compression. In flat position, each horizontal plane of the folding bellows is divided by a diagonal or oblique hinge axis (13), into an inner zone (15) and into an outer zone (15, 14), which are oriented, in each case one towards the other, as well as the respective outer zone (14), are fixed so as to be layered, against the inner face of the side wall (3, 5) of the closest side wall. At least one (12) of the side walls is, together with two folding bellows, in the form of a common part (9 a, 9 b) and is fixed on the base wall. Those two folding bellows is each hingedly adjacent one of the two opposite ends of the side wall.

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Cited by
WO2011117208A1; ITMI20100495A1; DE102016210834A1; DE202014102149U1; US8134829B2; WO2020104360A1

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