

Title (en)  
FLEXIBLE, COLLAPSIBLE, SELF-SUPPORTING STORAGE BAGS AND CONTAINERS

Title (de)  
FLEXIBLE ZUSAMMENLEGBARE SELBSTTRAGENDE BEUTEL UND BEHÄLTER

Title (fr)  
SACS ET RECIPIENTS DE CONSERVATION AUTOPORTEURS, COMPRESSIBLES ET SOUPLES

Publication  
**EP 0980334 B1 20020807 (EN)**

Application  
**EP 98923342 A 19980506**

Priority  

- US 9809216 W 19980506
- US 85377397 A 19970509
- US 85424697 A 19970509
- US 85424797 A 19970509

Abstract (en)  
[origin: WO9850279A2] The present invention provides a flexible storage bag (10) comprising at least one sheet of flexible sheet material assembled to form a semi-enclosed container having an opening defined by a hinged peripheral flange (31). The hinged flange includes a closure means for sealing the opening to convert the semi-enclosed container to a closed container. When the bottom is placed on a horizontal surface the container is self-supporting and maintains the opening in an open condition. The present invention also provides a collapsible, stackable, self-restorable container (101) comprising a unitary continuous tubular side wall having a first open end and a second open end defining an axial direction extending through the first and second open ends. The tubular sidewall is collapsible in response to an externally-applied force exerted in its axial direction and is self-restorable when the force is removed. A lid (401) attached to the tubular side wall for selectively converting the semi-enclosed container to a closed container completes the storage container, and a closure means is provided for sealing the lid to the tubular sidewall.

IPC 1-7  
**B65D 33/16**; **B65D 77/20**

IPC 8 full level  
**B65D 33/24** (2006.01); **B65D 33/16** (2006.01); **B65D 33/18** (2006.01); **B65D 77/20** (2006.01); **B65D 77/30** (2006.01)

CPC (source: EP KR)  
**B65D 21/08** (2013.01 - KR); **B65D 33/1658** (2013.01 - EP); **B65D 77/20** (2013.01 - EP)

Cited by  
CN1066152C; US10315829B2; US10392156B2; US11124348B2; WO2023025530A1

Designated contracting state (EPC)  
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 9850279 A2 19981112**; **WO 9850279 A3 19990225**; AU 737264 B2 20010816; AU 7565398 A 19981127; BR 9808757 A 20001003; CA 2289669 A1 19981112; CA 2289669 C 20051220; CN 1080687 C 20020313; CN 1261320 A 20000726; CO 4790163 A1 19990531; DE 69807061 D1 20020912; DE 69807061 T2 20030227; EP 0980334 A2 20000223; EP 0980334 B1 20020807; ES 2178212 T3 20021216; HK 1027075 A1 20010105; JP 2000512960 A 20001003; JP 3388762 B2 20030324; KR 100354924 B1 20021005; KR 20010012315 A 20010215; PE 34099 A1 19990423; TW 431991 B 20010501

DOCDB simple family (application)  
**US 9809216 W 19980506**; AU 7565398 A 19980506; BR 9808757 A 19980506; CA 2289669 A 19980506; CN 98806549 A 19980506; CO 98026127 A 19980511; DE 69807061 T 19980506; EP 98923342 A 19980506; ES 98923342 T 19980506; HK 00105250 A 20000821; JP 54843298 A 19980506; KR 19997010267 A 19991106; PE 00034998 A 19980508; TW 87107171 A 19980508