

Title (en)  
ITEM-LEVEL VISIBILITY OF NESTED AND ADJACENT CONTAINERS

Title (de)  
SICHTBARKEIT VERNESTETER UND ANGRENZENDER BEHÄLTER AUF ARTIKELEBENE

Title (fr)  
VISIBILITE AU NIVEAU D'OBJET DE CONTENANTS EMBOITES ET ADJACENTS

Publication  
**EP 1692668 A2 20060823 (EN)**

Application  
**EP 04813766 A 20041209**

Priority  
• US 2004041501 W 20041209  
• US 52833403 P 20031209

Abstract (en)  
[origin: KR20060099540A] An identification device establishes a relative hierarchy of associated containers as logistical units, providing multi-layer visibility of nested and adjacent containers. The relative hierarchy comprises lower-layer containers and upper-layer containers relative to the identification device. An integrated reader device reads heterogeneous tag types. This allows disparate tag types simultaneously using a single device.

IPC 8 full level  
**B65D 21/00** (2006.01); **B65G 63/00** (2006.01); **G06F 17/00** (2006.01); **G06K 7/00** (2006.01); **G06Q 10/00** (2012.01); **G08B 1/00** (2006.01)

CPC (source: EP KR)  
**G06K 17/00** (2013.01 - KR); **G06K 19/07** (2013.01 - KR); **G06Q 10/08** (2013.01 - EP); **G08B 25/10** (2013.01 - KR); **G08G 1/017** (2013.01 - KR)

Cited by  
US9699736B2; US9907115B2; US10194486B2; US10652953B2; US9986484B2; US10425877B2; US10813030B2; US9860839B2;  
US9872249B2; US9955423B2; US10015743B2; US10229586B2; US10395513B2; US10565858B2; US10573166B2; US10861316B2;  
US8204439B2; US8315563B2; US8326226B2; US10664792B2; US10693760B2; US11308440B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
CN 101069220 A 20071107; CN 1926588 A 20070307; CN 1926588 B 20130918; EP 1692668 A2 20060823; EP 1692668 A4 20081008;  
JP 2007519583 A 20070719; JP 5185533 B2 20130417; KR 20060099540 A 20060919; KR 20080044355 A 20080520

DOCDB simple family (application)  
CN 200480041281 A 20041209; CN 200480041282 A 20041209; EP 04813766 A 20041209; JP 2006544039 A 20041209;  
KR 20067013827 A 20060710; KR 20087009827 A 20080424