Title (en)

Plastic container,stackable by rotation method

Title (de)

Transportbehälter aus Kunststoff, der nach dem Drehstapelprinzip stapelbar ist

Title (fr)

Récipient en plastique empilable par rotation

Publication

EP 0818394 A3 19990616 (DE)

Application

EP 97111788 A 19970711

Priority

DE 19628373 A 19960713

Abstract (en)

[origin: EP0818394A2] The four side walls (2,3) at right angles to the base each have a top half staggered outwards in relation to the bottom half. The side walls' top rim is formed by an outward pointing flange (7). The two side wall halves (2A,3A) contain outward bulges (14) holding support-feet (8) positioned in the lower side wall halves (2B,3B) beneath the bulges. Above the bulges are breaks in the flanged rim. The bulges in one side wall are staggered in position in relation to the outer side wall. The outer edges of the bottom ends of the feet have protruding lugs (11) which fit into cavities or holes (12) in the flanged rim when stacked on top of one another. The feet are formed by ridges (9,13) on the outside of the lower crate half and joined by a ridge (10) parallel with the base.

IPC 1-7

B65D 21/04

IPC 8 full level

B65D 6/10 (2006.01); **B65D 21/04** (2006.01)

CPC (source: EP)

B65D 21/045 (2013.01)

Citation (search report)

- [Y] EP 0265581 A1 19880504 - KOOSE RUDOLF
- [Y] FR 2563188 A2 19851025 - MANUJET SA [FR]
- [A] FR 2504889 A1 19821105 - MANUJET SA [FR]
- [A] DE 4432030 A1 19950223 - UNIT LOGISTIC CONSULTING GMBH [DE]
- [A] US 4426001 A 19840117 - STAHL EDWARD L [US], et al
- [A] DE 1296081 B 19690522 - SCHAEFER KG FRITZ
- [A] US 3498494 A 19700303 - VOORHEES ANSON W JR
- [A] DE 1889360 U 19640312 - FRUPACK HAFENUMSCHLAGSBETR UND [DE]

Cited by

US10167110B2; US10239661B2; US11820552B2; WO9849067A1; WO2015114528A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0818394 A2 19980114; **EP 0818394 A3 19990616**; **EP 0818394 B1 20030122**; AT E231462 T1 20030215; DE 19628373 A1 19980115; DE 19628373 C2 20020919; DE 59709178 D1 20030227; ES 2191134 T3 20030901

DOCDB simple family (application)

EP 97111788 A 19970711; AT 97111788 T 19970711; DE 19628373 A 19960713; DE 59709178 T 19970711; ES 97111788 T 19970711