

Title (en)
SIDE-LIFT SPREADER FOR A CONTAINER

Title (de)
CONTAINERGESCHIRR MIT SEITLICHER AUFNAHME

Title (fr)
REPARTITEUR DE LEVAGE LATERAL POUR CONTENEUR

Publication
EP 1603823 A1 20051214 (EN)

Application
EP 04710882 A 20040213

Priority
• FI 2004000067 W 20040213
• FI 20030313 A 20030228

Abstract (en)
[origin: WO2004076333A1] A container side-lift spreader (2, 22) for handling containers (10), in particular empty containers, comprises a lifting carriage (30) arranged on a mast of a container handling vehicle so as to be movable in a vertical direction and a horizontal support structure (3, 23) arranged in the lifting carriage, gripping means, (7, 7') for gripping the container being arranged in the area of both side ends of said horizontal support structure for gripping gripping apertures (28) of the container, so that the horizontal support structure (3, 23) extends downwards in a vertical direction to support the container at support areas (14, 15) of a longitudinal side (11) of the container. A fork structure (26, 26') which is open at its outer edge and comprises a gripping means (27, 27') is arranged in the area of a left and a right side en of the horizontal support structure (23) of the side-lift spreader (22) in order to allow direct visual contact with the gripping area of the container (10) and with the gripping means (27,27').

IPC 1-7
B66F 9/18

IPC 8 full level
B66F 9/18 (2006.01)

CPC (source: EP)
B66F 9/186 (2013.01)

Citation (search report)
See references of WO 2004076333A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004076333 A1 20040910; AT E493366 T1 20110115; CN 100391823 C 20080604; CN 1697779 A 20051116;
DE 602004030771 D1 20110210; EP 1603823 A1 20051214; EP 1603823 B1 20101229; FI 113042 B 20040227; FI 20030313 A0 20030228;
HK 1083486 A1 20060707

DOCDB simple family (application)
FI 2004000067 W 20040213; AT 04710882 T 20040213; CN 200480000585 A 20040213; DE 602004030771 T 20040213;
EP 04710882 A 20040213; FI 20030313 A 20030228; HK 06103398 A 20060317