

Title (en)
CONTAINER TRANSPORTER

Publication
EP 0579780 A4 19940629 (EN)

Application
EP 92917336 A 19920227

Priority
US 68337791 A 19910410

Abstract (en)
[origin: WO9307041A1] A self-propelled, counterbalanced, container (52) transporter has a frame (62), a counterweight (60) supported at the rear, an elevating upright (29), carriage pick-up and lift frame assembly (40) for lifting, transporting and stacking containers (52) at the front. The frame (62) has a tower structure (66) supporting a cab (16) having a wide angle front window area (22) that partially wraps around the operator's station to permit a horizontal line of sight to the maximum extension of the lift frame (40) and is sloped back to afford high angle vision to the maximum vertical extension of the upright for high stacking containers (52). The tower structure (66) is positioned rearwardly of the center, and projects upwardly to a height that provides an elevated line of sight from the cab (16) through the upright. Engine exhaust gases are routed to the front and out through the top of the upright (29) thereby reducing noise and exhaust emission levels in the cab (16). A hydraulic circuit (105, 107, 108) is phased to deliver lifting pressure according to the lifted weight and engine speed matching loads with engine torque thereby increasing productivity by achieving higher lift speeds for light or empty containers (52).

IPC 1-7
B62D 33/063

IPC 8 full level
B62D 33/06 (2006.01); **B62D 25/08** (2006.01); **B66F 9/075** (2006.01); **B66F 9/08** (2006.01); **B66F 9/18** (2006.01); **B66F 9/22** (2006.01)

CPC (source: EP)
B66F 9/07545 (2013.01); **B66F 9/07554** (2013.01); **B66F 9/186** (2013.01)

Citation (search report)
• [A] GB 1097126 A 19671229 - MAURICE GASTON GEORGES TIMMERM
• [A] EP 0183320 A1 19860604 - KUIKEN NV [NL]
• [A] WO 9104221 A1 19910404 - BRUBAKKEN BORGAR [NO]
• [A] FR 2402569 A1 19790406 - CASE CO J I [US]
• [A] GB 750170 A 19560613 - COVENTRY CLIMAX ENG LTD
• [A] US 4020915 A 19770503 - DARNELL WILLIAM E, et al
• See references of WO 9307041A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

DOCDB simple family (publication)
WO 9307041 A1 19930415; CA 2105465 A1 19930415; EP 0579780 A1 19940126; EP 0579780 A4 19940629; JP H07502240 A 19950309

DOCDB simple family (application)
US 9201630 W 19920227; CA 2105465 A 19920227; EP 92917336 A 19920227; JP 51018392 A 19920227