

Title (en)  
LIFTER ARM.

Title (de)  
HEBEARM.

Title (fr)  
BRAS POUR SOULEVER.

Publication  
**EP 0648182 A4 19960320 (EN)**

Application  
**EP 93914559 A 19930707**

Priority  
• AU 9300334 W 19930707  
• AU PL338092 A 19920707

Abstract (en)  
[origin: WO9401350A1] A mechanical lifter arm adapted to engage a large refuse or recycling bin by fork (22) and suction cups (23) and raise and invert the bin for emptying into a truck to which the arm is attached by main frame (3). The lifter arm is actuated by a hydraulic ram (6) operable on a primary arm (4) by way of a primary four bar linkage (11) defined by links between pivot points (9, 14, 16 and 12) to pivot the primary arm (4) about pivot point (9). A secondary arm (5) is pivotally mounted to the primary arm (4) and controlled by a secondary four bar linkage (19) defined by links between pivot points (12, 16, 18 and 20). The geometry of the primary and secondary four bar linkages provides a slow speed commencement and ending to the lifting operation with a relatively high speed movement of the bin therebetween.

IPC 1-7  
**B65F 3/04**; B66C 23/66; B66C 13/08

IPC 8 full level  
**B65F 3/04** (2006.01); **B65F 3/02** (2006.01)

CPC (source: EP)  
**B65F 3/046** (2013.01); **B65F 2003/0236** (2013.01); **B65F 2003/0276** (2013.01)

Citation (search report)  
• [X] EP 0312900 A2 19890426 - BERGOMI SPA [IT]  
• See references of WO 9401350A1

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

DOCDB simple family (publication)  
**WO 9401350 A1 19940120**; EP 0648182 A1 19950419; EP 0648182 A4 19960320

DOCDB simple family (application)  
**AU 9300334 W 19930707**; EP 93914559 A 19930707