

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
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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.

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

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• See references of WO 9401350A1

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