

Title (en)  
WASTE COLLECTION VEHICLE

Title (de)  
MÜLLSAMMELFAHRZEUG

Title (fr)  
VÉHICULE DE COLLECTE DE DÉCHETS

Publication  
**EP 4046940 A1 20220824 (EN)**

Application  
**EP 22157877 A 20220222**

Priority  
IT 202100004211 A 20210223

Abstract (en)  
Waste collection vehicle (100) comprising a waste collection container (102), comprising:- a first device (1) for moving and emptying waste-holding bins (200) which is mounted on a lateral side (104) of the vehicle (100) movable between at least a first loading position suitable to allow hooking with at least one waste-holding bin (200) moved manually towards the first device (1) by an operator, and a second raised position for emptying the hooked waste-holding bin (200) inside the collection container (102);- a second device (20) for moving and emptying waste-holding bins (200) which comprises hooking means (40) for automatically hooking at least one waste-holding bin (200), said second device (20) being mounted on the vehicle (100) movable among at least a first rest position in which said hooking means (40) are retracted in correspondence of the lateral side (104) of the vehicle (100), a second loading position in which said hooking means (40) are extended away from the lateral side (104) of the vehicle (100) to automatically hook at least one waste-holding bin (200), and a third raised position for emptying the waste-holding bin (200) automatically hooked inside the collection container (102);- command and control means (50) configured for operating at least one of said first device (1) and second device (20).

IPC 8 full level  
**B65F 3/04** (2006.01); **B65F 3/02** (2006.01); **B65F 3/08** (2006.01)

CPC (source: EP)  
**B65F 3/048** (2013.01); **B65F 3/08** (2013.01); **B65F 2003/023** (2013.01); **B65F 2003/024** (2013.01); **B65F 2003/025** (2013.01); **B65F 2003/0266** (2013.01); **B65F 2003/0276** (2013.01)

Citation (search report)  
• [XAY] DE 102004008952 A1 20050908 - HUEFFERMANN ENTSORGUNGSSYSTEME [DE]  
• [YA] US 2019325220 A1 20191024 - WILDGRUBE GRANT [US], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4046940 A1 20220824**; **EP 4046940 B1 20231115**; **EP 4046940 C0 20231115**; IT 202100004211 A1 20220823

DOCDB simple family (application)  
**EP 22157877 A 20220222**; IT 202100004211 A 20210223