

Title (en)
METHOD AND APPARATUS FOR THE AUTOMATIC CLASSIFICATION OF THE FORMAT OF WASTE DELIVERED INTO A PUBLIC DUMPSTER PROVIDED WITH SENSORS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR AUTOMATISCHEN FORMATKLASSIFIZIERUNG VON ABFALL, DER AN EINEN MIT SENSOREN AUSGESTATTETEN ÖFFENTLICHEN MÜLLDEPONIER GELIEFERT WIRD

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR LA CLASSIFICATION AUTOMATIQUE DU FORMAT DES DÉCHETS DÉLIVRÉS DANS UN BENNE PUBLIQUE MUNI DE CAPTEURS

Publication
EP 4282780 A1 20231129 (EN)

Application
EP 23174604 A 20230522

Priority
IT 202200011162 A 20220527

Abstract (en)
A method for the automatic classification of the format of waste delivered into a public dumpster (10) provided with a plurality of optical sensors (12) which are arranged in an elevated position which does not interfere with the area occupied by the waste and are directed functionally toward the bottom (10a) of the dumpster (10). A control unit (CU), capable of detecting the surface profile of the waste in the dumpster (10) on the basis of the signals received from the optical sensors (12), calculates a volumetric datum on the basis of the difference between the surface profile detected after delivery and the surface profile detected before delivery, compares the volumetric datum with threshold values which are preset on the basis of specific standard formats, associates the delivered waste with the corresponding format, and generates corresponding format information for subsequent processing.

IPC 8 full level
B65F 1/02 (2006.01)

CPC (source: EP)
B65F 1/02 (2013.01); **B65F 1/16** (2013.01); **B65F 1/1473** (2013.01); **B65F 2210/182** (2013.01)

Citation (applicant)

- IT 201700125066 A1
- EP 3913336 A1 20211124 - ADGENER SRL [IT]
- IT 202200011162 A1 20231127 - ADGENER SRL [IT]

Citation (search report)

- [A] EP 3256405 A1 20171220 - ADGENER S R L [IT]
- [A] EP 2641851 A1 20130925 - GFELLER INFORMATIK AG [CH]
- [A] WO 2011058287 A1 20110519 - AENERGIS SAS [FR], et al
- [AD] EP 3913336 A1 20211124 - ADGENER SRL [IT]
- [A] WO 2020100026 A1 20200522 - TOFFI ROBERTA [IT], 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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4282780 A1 20231129; IT 202200011162 A1 20231127

DOCDB simple family (application)
EP 23174604 A 20230522; IT 202200011162 A 20220527