

Title (en)

WASTE FEEDING APPARATUS, ITS SEALING METHOD, AND WASTE FEEDING METHOD

Title (de)

ABFALLZUFUHRVORRICHTUNG, VERFAHREN ZU IHRER VERSIEGELUNG UND ABFALLZUFUHRVERFAHREN

Title (fr)

APPAREIL D'ALIMENTATION DE DÉCHETS, SON PROCÉDÉ D'ÉTANCHÉITÉ ET PROCÉDÉ D'ALIMENTATION DE DÉCHETS

Publication

EP 2180255 A4 20151223 (EN)

Application

EP 08792666 A 20080815

Priority

- JP 2008065057 W 20080815
- JP 2007214926 A 20070821
- JP 2007241197 A 20070918
- JP 2007257584 A 20071001
- JP 2008200757 A 20080804

Abstract (en)

[origin: EP2180255A1] Upper and lower dampers (11, 12) are provided in a vertical chute (6) of a waste-feeding apparatus (1). The upper and lower dampers (11, 12) have a sealing function that inhibits external air from entering a gasifier (20) and configured to be alternately opened and closed. The lower damper (12) includes a lower left damper (12 L) and a lower right damper (12 R) configured to be opened and closed through lower supporting shafts (12p), provided on opposite portions of an inner wall of the vertical chute (6) and parallel to a center line (Lc), the center line (Lc) extending in a longitudinal direction and passing through the center in a width direction of the waste-conveying device (7). A merged line (12m) defined by distal portions of the lower left damper (12 L) and the lower right damper (12 R) in a closed state is located above the center line (Lc) .

IPC 8 full level

F23G 5/027 (2006.01); **F23G 5/44** (2006.01); **F23G 5/50** (2006.01)

CPC (source: EP)

F23G 5/027 (2013.01); **F23G 5/444** (2013.01); **F23G 5/50** (2013.01); **F23G 2201/80** (2013.01); **F23G 2205/121** (2013.01); **F23G 2205/16** (2013.01); **F23G 2205/18** (2013.01); **F23G 2207/20** (2013.01); **F23G 2900/55006** (2013.01)

Citation (search report)

- [YD] JP 2003056822 A 20030226 - EBARA CORP
- [Y] US 5205695 A 19930427 - KATSUI SEIZO [JP]
- [Y] EP 1736527 A1 20061227 - EBARA CORP [JP]
- [A] WO 2004046612 A1 20040603 - EBARA CORP [JP], et al
- [A] US 5020453 A 19910604 - KATSUI SEIZO [JP]
- [A] US 5127344 A 19920707 - KATSUI SEIZO [JP]
- [A] EP 1462718 A1 20040929 - PLANTEC INC [JP]
- See references of WO 2009025378A1

Cited by

ITUB20153319A1; EP3112753A1; EP3112754A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2180255 A1 20100428; **EP 2180255 A4 20151223**; **EP 2180255 B1 20181010**; EP 3112753 A1 20170104; EP 3112753 B1 20190626; EP 3112754 A1 20170104; EP 3112754 B1 20190102; KR 101166848 B1 20120719; KR 20100037643 A 20100409; WO 2009025378 A1 20090226

DOCDB simple family (application)

EP 08792666 A 20080815; EP 16174338 A 20080815; EP 16174339 A 20080815; JP 2008065057 W 20080815; KR 20107003589 A 20080815