

Title (en)

Device for filling a subordinate device

Title (de)

Vorrichtung zum Befüllen einer nachgeordneten Vorrichtung

Title (fr)

Dispositif pour remplir d'un dispositif subordonné

Publication

EP 1676491 A1 20060705 (DE)

Application

EP 05090344 A 20051220

Priority

DE 102004062638 A 20041221

Abstract (en)

The device has a filling head (10) with a supply unit (11) for transporting a mass flow comprising rod shaped products. The supply unit leads into a stack in an area of an orifice (12) and a storage (15) is variably formed for the adjustment of difference of inflow and outflow of the mass flow in the head. The storage is arranged partially before the orifice in a transportation direction of the mass flow.

IPC 8 full level

A24C 5/35 (2006.01); **B65B 5/10** (2006.01); **B65B 19/04** (2006.01); **B65B 35/24** (2006.01)

CPC (source: EP US)

A24C 5/35 (2013.01 - EP US); **B65B 19/04** (2013.01 - EP US)

Citation (applicant)

US 4042094 A 19770816 - SCHMERMUND ALFRED

Citation (search report)

- [A] US 4717009 A 19880105 - CARTER DAVID C M [GB], et al
- [A] US 4744453 A 19880517 - KRAUSE LOTHAR [DE], et al
- [AD] US 4042094 A 19770816 - SCHMERMUND ALFRED
- [A] US 3923146 A 19751202 - VAN HALL FLOYD

Citation (third parties)

Third party :

- DE 2841266 A1 19800403 - HAUNI WERKE KOERBER & CO KG
- US 4200181 A 19800429 - CLARKE PETER A [GB]
- GB 2124174 A 19840215 - MOLINS PLC
- EP 1310178 A1 20030514 - HAUNI MASCHINENBAU AG [DE]

Cited by

CN105775205A

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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US 2006157074 A1 20060720

DOCDB simple family (application)

EP 05090344 A 20051220; CN 200510129698 A 20051220; DE 102004062638 A 20041221; JP 2005365672 A 20051220;
US 31113205 A 20051220