

Title (en)

Plant for storing, handling and feeding loose materials and associated operating method

Title (de)

Anlage und ihr Betriebsverfahren zur Handhabung , Lagerung und Förderung von Schüttmaterialien

Title (fr)

Installation pour le stockage , la manipulation et l'alimentation de matériaux en vrac et mode opératoire de l'installation correspondant

Publication

EP 1025969 A3 20011107 (EN)

Application

EP 00101260 A 20000126

Priority

IT MO990012 A 19990203

Abstract (en)

[origin: EP1025969A2] A plant for storing, handling and feeding loose materials and the associated operating method; the plant comprises: at least one filling station (2) for container means (8) which can be handled by means of lifting vehicles (4) such as fork-lift trucks; at least one storage area (5) for depositing the containers (8) in standby; and a series of stations (6) for feeding machines (7) which use the materials. The container means are constituted by silos (8) which have a limited capacity and have, in a downward region, a multipurpose grid-like structure (8a) for resting on the ground, for the modular mutual stacking of the silos (8) and for the mating of the silos (8) with the conventional lifting elements (4a) with which fork-lift trucks (4) are equipped. The silos (8) can be arranged, at least in the storage area (5) and in the feeding stations (6), so as to be stacked on multiple levels (PS, PT). <IMAGE>

IPC 1-7

B28C 9/02

IPC 8 full level

B28B 15/00 (2006.01); **B28C 7/00** (2006.01); **B28C 7/04** (2006.01); **B28C 9/02** (2006.01)

CPC (source: EP)

B28B 15/007 (2013.01); **B28C 7/0061** (2013.01); **B28C 7/0431** (2013.01); **B28C 9/02** (2013.01)

Citation (search report)

- [A] EP 0841137 A2 19980513 - AMANN MARKUS [DE], et al
- [A] US 5303998 A 19940419 - WHITLATCH BLAKE [US], et al
- [A] FR 1503031 A 19671124 - INSEC INSTITUTION EUROP DE CRE

Cited by

CN110371650A; CN111993563A; CN111937505A

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