

Title (en)
Prefabricated silo for agricultural employ.

Title (de)
Vorgefertigter Silo für landwirtschaftliche Verwendung.

Title (fr)
Silo préfabriqué pour emploi agricole.

Publication
EP 0117380 A1 19840905 (EN)

Application
EP 83830017 A 19830127

Priority
EP 83830017 A 19830127

Abstract (en)
The silo has a cylindrical form with variable height and diameter, and is carried out in prefabricated A.V.C. sectors. In the lower part, a discharging cell is foreseen with an upper separation slab and central hole for positioning a rotating cutter to extract the ensiled product from below. On a massive foundation (2), the discharging cell is made by means of a set of prefabricated sectors (1a) and a cutter bearing slab is superposed by previous mounting of another set of sectors which form a ring for the casting containment. The silo cell is obtained by composition in vertical succession of annulars consisting of two or three sectors connected one to another by means of steel boltings. The joints between the annulars (1c) and the sectors are sealed with waterproof material (4). For completion, the covering slab in three components is set up. The medium permits quick laying times, variable sizes, a high reliability since prefabricated components made in the factory are employed, a consistent installation saving, the possibility of disassembling the silo at very low costs and of reassembling it on another place without damaging the components.

IPC 1-7
E04H 7/28; **E04H 7/22**

IPC 8 full level
B65D 88/08 (2006.01); **B65D 90/08** (2006.01); **E04H 7/28** (2006.01)

CPC (source: EP)
B65D 88/08 (2013.01); **B65D 90/08** (2013.01); **E04H 7/28** (2013.01)

Citation (search report)
• DE 1924990 A1 19701119 - NORDDEUTSCHE AFFINERIE
• DE 1820539 U 19601027 - PFEIFER HUGO [DE]
• CH 451479 A 19680515 - MENZEL & CO [DE]
• GB 568605 A 19450412 - DENNIS GREENWOLD TARRAN

Cited by
WO2019107627A1

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
EP 0117380 A1 19840905

DOCDB simple family (application)
EP 83830017 A 19830127