

Title (en)  
FLOUR-LOADING SYSTEM

Title (de)  
MEHL-VERLADEEINRICHTUNG

Title (fr)  
DISPOSITIF DE CHARGEMENT DE FARINE

Publication  
**EP 0868655 A1 19981007 (DE)**

Application  
**EP 96944003 A 19961218**

Priority  
• DE 19547771 A 19951220  
• DE 19600971 A 19960112  
• EP 9605694 W 19961218

Abstract (en)  
[origin: WO9722857A1] To load flour in a mill, loading systems are known with at least one filling nozzle (10-13) connected via a shut-off unit (14) to an essentially stationary reservoir (15-18), silo or holding container and designed for coupling to several filling apertures (30-36) of a vehicle (29) to be loaded. With this known system, a weigh-bridge (47) is provided to determine the total weight of the vehicle (29) plus load. To allow connection of the filling nozzles (10-13) with the various filling apertures (30-36) of the vehicle (29) one after the other (or simultaneously), conveyers (22, 23) are provided, in particular troughed chain conveyors. This makes it difficult to keep to precise measured loads for the vehicle (29). In addition, the flour can easily be contaminated. It is proposed that the weighing system (40) should be designed with a conveyor device such that the vehicle's filling apertures (30-36) can be connected one after the other to the filling nozzles (10-13) by moving the vehicle (29), thereby eliminating the need for a horizontal conveyor. The flour, in particular in a fluidised state, can be fed through pipelines.

IPC 1-7  
**G01G 13/02**

IPC 8 full level  
**G01G 13/02** (2006.01)

CPC (source: EP US)  
**G01G 13/024** (2013.01 - EP US)

Citation (search report)  
See references of WO 9722857A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL SE

DOCDB simple family (publication)  
**WO 9722857 A1 19970626**; EP 0868655 A1 19981007; US 6000445 A 19991214

DOCDB simple family (application)  
**EP 9605694 W 19961218**; EP 96944003 A 19961218; US 9132198 A 19980615