

Title (en)

Procedure and facility for grain moisture control

Title (de)

Verfahren und Anlage für Getreidefeuchtigkeitsregelung

Title (fr)

Procédé et installation pour le contrôle de l'humidité du grain

Publication

**EP 2803926 A3 20150722 (EN)**

Application

**EP 13382220 A 20130607**

Priority

AR P120101736 A 20120516

Abstract (en)

[origin: EP2803926A2] A facility for controlling the grain moisture provided with a grain storage silo (1) conveniently installed on a hard flat floor (9) and inside of which an elevated floor (10) comprising air passageways is provided, determining an air chamber (18) inside the silo (1) and below the perforated floor (10), into which previously conditioned air is blown by an air heater, wherein the control of hot air blowing times is determined based on means of modeling and calculating on and off times applied through an electronic control means, with the ability to read and record manual input data entered by an operator and reading data from a temperature sensor in the air chamber (18), below the perforated floor (10), further aided with an ambient temperature and moisture sensor, thereby causing the application of different stages of drying, re-humidification and maintenance of the grain moisture.

IPC 8 full level

**F26B 25/22** (2006.01); **F26B 21/10** (2006.01); **F26B 25/10** (2006.01); **F26B 9/06** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [YA] WO 8705685 A1 19870924 - SENTRY TECHNOLOGIES INC [US]
- [YA] US 4253244 A 19810303 - KRANZLER GLENN A
- [AD] T L THOMPSON ET AL: "Mathematical Simulation of Corn Drying A New Model", TRANSACTIONS OF THE ASAE, vol. 11, no. 4, 1 January 1968 (1968-01-01), pages 582 - 586, XP055190585

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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