

Title (en)
PROCESS AND APPARATUS FOR DRYING AND/OR COOLING OF A PRODUCT CONTAINING ONE OR MORE EVAPORABLE SUBSTANCES

Publication
EP 0393777 A3 19910206 (EN)

Application
EP 90200927 A 19900417

Priority
NL 8900953 A 19890417

Abstract (en)
[origin: EP0393777A2] Process and apparatus for drying and/or cooling of a product containing one or more evaporable substances. The invention relates to a process for cooling and/or drying of comminuted products, like granules, powders etc. in a continuous vacuum treatment, wherein the product preferably is subjected to a pre-deaeration. The invention is especially suited for cooling of cattle feed pellets to control odour emission. An apparatus for carrying out the process is indicated in figure 1.

IPC 1-7
F26B 5/04; F25D 31/00

IPC 8 full level
F25D 31/00 (2006.01); **F26B 5/04** (2006.01)

CPC (source: EP)
F25D 31/00 (2013.01); **F26B 5/041** (2013.01)

Citation (search report)

- [X] DE 3629954 A1 19880310 - PREHM YORCK UWE DIPL ING [DE]
- [X] US 3918169 A 19751111 - DE SMET JEAN ALBERT
- [A] DE 691155 C 19400517 - MIAG MUEHLENBAU, et al
- [A] DE 280993 C
- [A] DE 32252 C
- [A] FR 2001184 A1 19690926 - NAT DISTILLERS CHEM
- [A] US 3421229 A 19690114 - KNIESE FRITZ
- [A] FR 1253911 A 19610217

Cited by
CN109640673A; US2023076811A1; US11638436B2; US2023240340A1; US12053006B2

Designated contracting state (EPC)
AT BE DE DK ES FR GB GR IT LU NL

DOCDB simple family (publication)
EP 0393777 A2 19901024; EP 0393777 A3 19910206; NL 8900953 A 19901116

DOCDB simple family (application)
EP 90200927 A 19900417; NL 8900953 A 19890417