

Title (en)
Ventilation system for a livestock building

Title (de)
Belüftungssystem für Viehställe

Title (fr)
Système d'aération d'un bâtiment d'élevage

Publication
EP 0899518 B1 20031112 (FR)

Application
EP 98460033 A 19980828

Priority
FR 9710980 A 19970829

Abstract (en)
[origin: EP0899518A1] The system consists of air ducts (11) with intakes below the livestock pens and outlets above them, and each duct has an air flow speed regulator (15) which is set at a set value so that the space between the pens and the ceiling (4) of the building is ventilated. The building has at least one row (1) of pens (2,3) for the animals and a ventilation system comprising a series of ducts (11) with their intake ends (13) situated beneath the pens and an extractor fan (11a) to create an upward air flow through the ducts. The upper outlet end (14) of each duct is situated above the pens and contains an air flow speed regulator (15) which is set so that the space between the pens and the ceiling is ventilated. Each regulator comprises a shutter with a lever arm (17) connected by a rod (19) to a control unit (20) linked to sensors (24,25) which measure, for example, air temperature and humidity.

IPC 1-7
F24F 11/00

IPC 8 full level
F24F 11/00 (2006.01)

CPC (source: EP)
F24F 11/0001 (2013.01); **F24F 11/30** (2018.01)

Cited by
GB2359618A; CN103196178A; AT524790A4; AT524790B1; AT521304A1; AT521304B1

Designated contracting state (EPC)
AT DE FR

DOCDB simple family (publication)
EP 0899518 A1 19990303; EP 0899518 B1 20031112; AT E254269 T1 20031115; DE 69819634 D1 20031218; DE 69819634 T2 20040923; FR 2767910 A1 19990305; FR 2767910 B1 19991119

DOCDB simple family (application)
EP 98460033 A 19980828; AT 98460033 T 19980828; DE 69819634 T 19980828; FR 9710980 A 19970829