

Title (en)

Ventilation system with integrated solar powered lightening

Title (de)

Belüftungssystem mit integrierter Solarbeleuchtung

Title (fr)

Système de ventilation avec illumination solaire

Publication

**EP 1785677 A3 20101222 (EN)**

Application

**EP 06291763 A 20061114**

Priority

KR 20050108785 A 20051114

Abstract (en)

[origin: EP1785677A2] Provided are a ventilation system and a method of controlling the ventilation system. The ventilation system includes a duct for directing indoor air and light to an indoor space, a solar cell converting natural light traveling along the duct into an electric energy, a light source converting the electric energy generated by the solar cell into artificial light and emitting the artificial light to the indoor space, and a ventilation device connected to the duct.

IPC 8 full level

**F24F 7/08** (2006.01)

CPC (source: EP US)

**F21V 33/0088** (2013.01 - EP US); **F24F 5/0046** (2013.01 - EP US); **F24F 13/078** (2013.01 - EP US); **F21S 9/03** (2013.01 - EP US); **F24F 2005/0064** (2013.01 - EP US); **F24F 2221/02** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0774617 A1 19970521 - LTG LUFTECHNISCHE GMBH [DE]
- [Y] US 5716442 A 19980210 - FERTIG ROBERT T [US]
- [Y] US 2002085393 A1 20020704 - EISENMAN JAMES E [US], et al
- [Y] US 4539625 A 19850903 - BORNSTEIN JONATHAN G [US], et al
- [A] GB 2408321 A 20050525 - MONODRAUGHT LTD [GB]
- [A] US 2005220680 A1 20051006 - MA CHONGFANG [CH], et al

Cited by

EP2839207A4; CN110145719A; NL1034237C2; EP2023037A1; CN110258982A; US9964269B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1785677 A2 20070516; EP 1785677 A3 20101222**; CN 1967072 A 20070523; JP 2007139408 A 20070607; US 2007149107 A1 20070628

DOCDB simple family (application)

**EP 06291763 A 20061114**; CN 200610148468 A 20061114; JP 2006307923 A 20061114; US 55901606 A 20061113