

Title (en)

Apparatus to simulate a flame or a fire with a laser and a mist dispenser

Title (de)

Vorrichtung zur Simulation eines Feuers oder einer Flamme mit Laser und Nebelmaschine

Title (fr)

Appareil pour simuler une flamme ou un feu avec un laser et un générateur de brouillard

Publication

**EP 2180257 A3 20100512 (DE)**

Application

**EP 08009901 A 20080530**

Priority

EP 08009901 A 20080530

Abstract (en)

[origin: EP2180257A2] The device has a line laser (1) emitting laser beam (7), and an ultrasonic mist generator (3) for generating limited amount of mist (17). A ventilator (15) produces an air flow that mixes the mist with air, so that individual mist waft (27) is formed with gaps. The air flow transports the mist waft along the laser beam of the line laser. A profile rail (8) is arranged with distance to the line laser such that the laser beam strikes on a base of the profile rail by an opening of the profile rail and is absorbed in the base of the profile rail, where the laser beam penetrates the mist waft.

IPC 8 full level

**F21S 10/04** (2006.01); **F24C 7/00** (2006.01)

CPC (source: EP)

**F21S 10/04** (2013.01); **F24C 7/004** (2013.01)

Citation (search report)

- [I] WO 2007104532 A2 20070920 - BASIC HOLDINGS [IE], et al
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- [A] DE 102004019198 A1 20051110 - EHRLICH GERNOT [DE], et al
- [A] DE 102006057504 B3 20080521 - SCHUENGEL FRIEDRICH [DE]

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CN109307310A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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