

Title (en)

LASER MACHINING MACHINE WITH A DEVICE FOR VENTILATING THE LASER BEAM CHANNELS AND PROCEDURE FOR THE VENTILATION OF LASER BEAM CHANNELS OF A LASER MACHINING MACHINE

Title (de)

LASERBEARBEITUNGSMASCHINE MIT EINER EINRICHTUNG ZUM BELÜFTEN DER LASERSTRAHLFÜHRUNG UND VERFAHREN ZUM BELÜFTEN DER LASERSTRAHLFÜHRUNG EINER LASERBEARBEITUNGSMASCHINE

Title (fr)

MACHINE D'USINAGE AU LASER AVEC UN DISPOSITIF DE VENTILATION DU GUIDAGE DU RAYON LASER ET PROCEDE DE VENTILATION DU GUIDAGE DU RAYON LASER D'UNE MACHINE D'USINAGE AU LASER

Publication

EP 2024132 A1 20090218 (DE)

Application

EP 06753535 A 20060509

Priority

EP 2006004338 W 20060509

Abstract (en)

[origin: WO2007128333A1] A laser machining machine (101) features a device for ventilating the laser beam channels (106) on the laser machining head (104), over which the beam channel (106) is formed open in the direction of the tool (107'). At the same time, a first gas inlet (111) into the laser beam channel (106) for a first gas and a second gas inlet (112) into the laser beam channel (106) for a second gas are provided.

IPC 8 full level

B23K 26/12 (2006.01); **B23K 26/14** (2006.01)

CPC (source: EP US)

B23K 26/12 (2013.01 - EP US); **B23K 26/123** (2013.01 - EP US); **B23K 26/125** (2013.01 - EP US); **B23K 26/128** (2013.01 - EP US); **B23K 26/142** (2015.10 - EP US); **B23K 26/1436** (2015.10 - EP US)

Citation (search report)

See references of WO 2007128333A1

Citation (examination)

- JP H0970682 A 19970318 - KOBE STEEL LTD
- JP H1034372 A 19980210 - SUMITOMO METAL IND

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 YU

DOCDB simple family (publication)

WO 2007128333 A1 20071115; CN 101443154 A 20090527; CN 101443154 B 20121024; EP 2024132 A1 20090218; US 2009120917 A1 20090514; US 8203098 B2 20120619

DOCDB simple family (application)

EP 2006004338 W 20060509; CN 200680054490 A 20060509; EP 06753535 A 20060509; US 26718508 A 20081107