

Title (en)

METHOD AND APPARATUS FOR CONTROLLING OCCUPATIONAL HYGIENE IN MACHINE TOOL ENVIRONMENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KONTROLLE DER ARBEITSHYGIENE IN DER UMGEBUNG EINER WERKZEUGMASCHINE

Title (fr)

PROCÉDÉ ET APPAREIL DE RÉGULATION DE L'HYGIÈNE INDUSTRIELLE DANS UN ENVIRONNEMENT DE MACHINE-OUTIL

Publication

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Application

**EP 17752727 A 20170109**

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Abstract (en)

[origin: WO2017140941A1] The invention relates first of all to a method for controlling occupational hygiene in machine tool environment, wherein the machine tool environment includes one or several machine tools in at least one machining booth (1), based on the use of a machining fluid, such as coolant, cutting fluid and/or the like, wherein exhaust air exhausted from the machining booth through an exhaust duct (2) is being controlled by depressurizing the machining booth with a fan setup (3) and being purified with a filtering and purification setup (4), such as one or several HEPA filters, activated carbon filters and/or the like, to permit the further processing of the exhaust air, such as its recirculation, heat recovery and/or the like. The exhaust air of the machining booth (1) is being processed with a pre- separator, such as a rotating separator utilizing centrifugal force (X) or the like, in order to reduce the amount of pollutants in the exhaust air before it is directed to the exhaust duct (2). The invention also relates to an apparatus operating in accordance with the method.

IPC 8 full level

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Citation (search report)

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