

Title (en)

METHOD FOR TREATING FUMES GENERATED BY COMBUSTION OF WOOD AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR BEHANDLUNG VON DURCH VERBRENNUNG VON HOLZ ERZEUGTEN RAUCHGASEN UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE TRAITEMENT DE FUMEEES GENEREES PAR UNE COMBUSTION DE BOIS ET DISPOSITIF POUR LA MISE EN OEUVRE DU PROCEDE

Publication

**EP 3796990 A1 20210331 (FR)**

Application

**EP 19730260 A 20190520**

Priority

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Abstract (en)

[origin: WO2019224145A1] The invention relates to a method for treating fumes generated by combustion of wood and to a device for implementing said treatment enabling an increase in thermal efficiency by condensation of said fumes as well as a joint decontamination of fumes and of excess water discharged from the wastewater. For this purpose, the fumes are condensed by a specific washing adapted to these highly charged fumes, which allows a transfer of pollutants from the fumes to the washing waters. The pollutants are then treated in an aqueous phase in the washing waters by means of a re-combustion separation of the volatile organic compounds, an oxidation by ozonation in the aqueous phase of the other pollutants and a continuous neutralization of all of the washing waters in combination with the ozonation.

IPC 8 full level

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Citation (search report)

See references of WO 2019224145A1

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