Title (en)

SYSTEM AND METHOD FOR OPTIMISING COMBUSTION IN PULVERISED SOLID FUEL BOILERS, AND BOILER INCLUDING SUCH A SYSTEM

Title (de)

SYSTEM UND VERFAHREN ZUR OPTIMIERUNG DER VERBRENNUNG IN KESSELN MIT PULVERSIERTEN FESTEN BRENNSTOFFEN UND KESSEL MIT EINEM DERARTIGEN SYSTEM

Title (fr)

SYSTÈME ET PROCÉDÉ D'OPTIMISATION DE COMBUSTION DANS DES CHAUDIÈRES À COMBUSTIBLE SOLIDE PULVÉRISÉ, ET CHAUDIÈRE COMPRENANT LEDIT SYSTÈME

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Application

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Priority

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Abstract (en)

The invention relates to a system which includes a boiler (1), sets of main burners (2F, 2E, 2D, 2C) located at various levels or areas through which pulverised solid fuel is injected into the boiler (1), and main mills (3F, 3E, 3D, 3C) of solid fuel, each one of which is connected to each one of the sets of main burners (2F, 2E, 2D, 2C) to which a flow of solid fuel is directed. Furthermore, the invention includes a replacement mill (3B) intended for operating only on the set of main burners (2F, 2E, 2D, 2C) whose associated main mill (3F, 3E, 3D, 3C) has shut down, as well as a permanently operational backup mill (3A) which directs an additional flow of solid fuel towards the selected set(s) of main burners (2F, 2E, 2D, 2C), complementing the flow of solid fuel provided by the main mills (3F, 3E, 3D, 3C).

IPC 8 full level

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Citation (search report)

See references of WO 2011089283A1

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EP2778524A1; AU2014201519B2; US9746179B2

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