

Title (en)

Dryer with exhaust gas purification by thermal afterburning

Title (de)

Trockner mit Abgasreinigung mittels thermischer Nachverbrennung

Title (fr)

Sécheur avec purification de gaz d'échappement par post-combustion thermique

Publication

**EP 0851194 A3 19980826 (DE)**

Application

**EP 97121908 A 19971212**

Priority

DE 19654043 A 19961223

Abstract (en)

[origin: DE19654043A1] The dryer (1) comprises at least one additional heat exchanger as a heater (8), arranged in the heating exhaust stream before a gas-gas heat exchanger (7). On the heating side, exhaust gases are cooled by passing through the additional heat exchanger. On the cooling side, either steam is generated or a heat transfer fluid, of high volume specific heat capacity, is heated. The dryer consists of a vapour heated drying path (2) with an additional heated drying path (4). At least one more heat exchanger, as a heat register (5), provides the additional heating of the dryer and is arranged after the vapour-heated drying path. The heating side releases heat by condensing steam or cooling a heat transfer medium of high specific heat capacity. Further heat, in addition to that from the vapour, is supplied. The heater and the heat register are connected together to create a circuit (9) for the heating medium.

IPC 1-7

**F26B 23/10**; **F26B 17/00**

IPC 8 full level

**F26B 21/04** (2006.01); **F26B 23/02** (2006.01)

CPC (source: EP US)

**F26B 21/04** (2013.01 - EP US); **F26B 23/022** (2013.01 - EP US); **F26B 2200/24** (2013.01 - EP US)

Citation (search report)

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