

Title (en)

METHOD OF INHIBITING A FIRE PROPAGATION IN A SOLID FUEL FEED DUCT FROM A COMBUSTION FURNACE, AND FURNACE FOR CARRYING OUT SAID METHOD

Publication

EP 0050232 B1 19840502 (DE)

Application

EP 81107552 A 19810923

Priority

CH 776080 A 19801017

Abstract (en)

[origin: US4385569A] The furnace has a feeding channel (4) through which firewood is transported into a fire chamber (3). A steam pipe (10) leads into the channel (4). Through said pipe (10), steam is introduced into the solid fuel material in bursts as soon as a certain temperature is exceeded within the said channel (4). The steam increases the humidity in the air and the moisture of the firewood, thereby reliably preventing a spreading of the fire within the feeding channel (4), without simultaneously impairing combustion within the fire chamber (3).

IPC 1-7

F23K 3/00; **F23M 11/00**

IPC 8 full level

F23N 5/24 (2006.01); **A62C 4/04** (2006.01); **F23K 3/00** (2006.01); **F23M 11/00** (2006.01)

CPC (source: EP US)

A62C 4/04 (2013.01 - EP US); **F23K 3/00** (2013.01 - EP US); **F23M 11/00** (2013.01 - EP US)

Cited by

EP0550848A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0050232 A2 19820428; **EP 0050232 A3 19820908**; **EP 0050232 B1 19840502**; AT E7331 T1 19840515; CA 1185123 A 19850409; DE 3163407 D1 19840607; DK 149415 B 19860602; DK 149415 C 19870112; DK 454781 A 19820418; FI 67443 B 19841130; FI 67443 C 19850311; FI 813212 L 19820418; JP S5798718 A 19820619; NO 152575 B 19850708; NO 152575 C 19851016; NO 813505 L 19820419; US 4385569 A 19830531

DOCDB simple family (application)

EP 81107552 A 19810923; AT 81107552 T 19810923; CA 388042 A 19811015; DE 3163407 T 19810923; DK 454781 A 19811014; FI 813212 A 19811015; JP 16436381 A 19811016; NO 813505 A 19811016; US 31186781 A 19811015