

Title (en)  
BURNER WITH PERIPHERAL INJECTION POINTS FOR AN AXIAL AIR FLOW

Title (de)  
BRENNER MIT PERIPHEREN INJEKTIONSPUNKTEN FÜR AXIALEN LUFTFLUSS

Title (fr)  
BRÛLEUR À POINTS PÉRIPHÉRIQUES D'INJECTION D'AIR À FLUX AXIAL

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Application  
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Abstract (en)  
[origin: WO2009136058A2] The invention relates to a burner (1) comprising a first external air supply pipe (6) situated on the outside of any other pipe (2, 4, 5, 7), and a second external air supply pipe (7) surrounding a peripheral fuel supply pipe (5) which surrounds a central air supply pipe (2). According to the invention, the first external pipe (6) is delimited by two immovable tubes (8, 9) carrying axial first ducts (10); the second external pipe (7) is delimited by an internal tube (14) carrying open second ducts (15) exhibiting tangential divergence that decreases in the upstream to downstream direction, and by an external tube (9) able to move with respect to the internal tube (14) covering the second ducts (15) and comprising a portion (18) that diverges in the upstream to downstream direction; the entirety of the air flowing through the external pipes (6, 7) emerging via the first and second ducts (10, 15).

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