

Title (en)
Burner

Title (de)
Brenner

Title (fr)
Brûleur

Publication
EP 1972851 B1 20110406 (EN)

Application
EP 07015922 A 20070814

Priority
RU 2007109930 A 20070319

Abstract (en)
[origin: EP1972851A2] Burner consisting of external cylindrical casing (1), an air generator with vanes (2) and a fuel distribution tube (3), creating together a cylindrical mixing chamber (4), where behind the vanes (2) fuel distribution devices in the form of pipes with slots in lengthwise arrangement for fuel supply to the mixing chamber (4) are arranged, wherein the pipes (5) are arranged parallel with the burner axis and their length (L) equipped with the slots (6) for the fuel supply into the mixing chamber (4) is calculated according to the formula: $L = k \cdot \sqrt[n-1]{D \cdot N \cdot \frac{tg \alpha}{\alpha}}$, Where D - is the diameter of the circle in which the pipes are arranged N - is the number of pipes in the circle n - is the number of slots for fuel feeding in each pipe α - is the angle of the air flow from the whirl vanes k - is the coefficient

IPC 8 full level
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