

Title (en)
Burner for a heating device

Title (de)
Brenner für ein Heizgerät

Title (fr)
Brûleur pour appareil de chauffage

Publication
EP 1363071 A1 20031119 (DE)

Application
EP 03009959 A 20030430

Priority
DE 10221495 A 20020514

Abstract (en)
The burner is for a mobile heating appliance with a primary combustion air feed (16) to a combustion chamber (14) in which in the region of a flame an impingement plate (18) for the accumulating of the heat in the combustion chamber is installed. In addition to the primary combustion air feed, a cooling air feed (22) is provided by which the impingement plate can be washed over and cooled by air. The impingement plate is in circular form or the combustion chamber is circular cylindrical form, and by means of the cooling air feed the air can be fed radially to the impingement plate. An Independent claim is included for a mobile heating appliance for vehicle and equipped with the proposed burner.

Abstract (de)
Der Brenner ist mit einer Primärbrennluftzuführung (16) zu einer Brennkammer (14) versehen, in der im Bereich einer Flamme eine Prallscheibe (18) zum Aufstauen der Hitze in der Brennkammer (14) angeordnet ist. Damit insbesondere die Prallscheibe (18) kostengünstiger herzustellen ist, ist außer der Primärbrennluftzuführung (16) eine Kühlluftzuführung (22) vorgesehen, mit der die Prallscheibe (18) von Luft angeströmt und gekühlt werden kann. <IMAGE>

IPC 1-7
F23D 11/40

IPC 8 full level
F23D 14/70 (2006.01); **F23D 11/36** (2006.01); **F23D 11/40** (2006.01); **F23D 14/78** (2006.01)

CPC (source: EP)
F23D 11/36 (2013.01); **F23D 11/404** (2013.01); **F23D 11/408** (2013.01); **F23D 2214/00** (2013.01); **F23D 2900/11401** (2013.01)

Citation (search report)

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