

Title (en)
BIOMASS STOVE WITH REDUCED EMISSIONS

Title (de)
BIOMASSEOVEN MIT GESENKTEN EMISSIONEN

Title (fr)
POÊLE À BIOMASSE À ÉMISSIONS RÉDUITES

Publication
EP 3492814 A1 20190605 (EN)

Application
EP 18209730 A 20181203

Priority
IT 201700139805 A 20171204

Abstract (en)
The invention concerns a biomass stove, particularly a pellet stove, comprising a combustion chamber, an unburned gas storage chamber, a flue gas extractor fan device for extracting unburned gas from the storage chamber and for sending it to an exhaust flue, at least one air intake for feeding air from the outside to the inside of the combustion chamber. The combustion chamber comprises a brazier area adapted to receive the biomass and to generate combustible gas and a flame area intended for the combustion of combustible gas coming from the brazier area. There are a first series of apertures at the brazier area for supplying primary gas and a second series of apertures at the flame area for supplying secondary gas. The stove further comprises a branch intercepting the flue gases directed to the exhaust flue such to at least partially direct said flue gases to the primary gas inlet apertures.

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Citation (applicant)
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