

Title (en)  
DEVICE FOR GENERATING HOT AIR BY MEANS OF BIOMASS COMBUSTION

Title (de)  
VORRICHTUNG ZUR ERZEUGUNG VON HEISSLUFT MITTELS BIOMASSEVERBRENNUNG

Title (fr)  
GÉNÉRATEUR D'AIR CHAUD À COMBUSTION DE BIOMASSE

Publication  
**EP 3056835 A4 20160928 (EN)**

Application  
**EP 14851895 A 20140926**

Priority  
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• ES 2014070732 W 20140926

Abstract (en)  
[origin: EP3056835A1] The invention comprises an auger feeder (2), a receiving hopper (3), a combustion chamber (9), a burner (8), a blower fan (20) and a second outlet (21) for hot air; which incorporates a heat-exchanger unit (13) which is independent of the detachable combustion chamber (9); formed by second vertical tubes (16) with the blower fan (20) coupled on the heat-exchanger unit (13) at the opposite end furthest from the combustion chamber (9). Between the heat-exchanger unit (13) and a combustion-gas outlet (12) from the combustion chamber (9), there is a first combustion-gas passage (I) formed by a further set of first vertical tubes (14) that are detachable and sliding, said tubes having a diameter greater than the second vertical tubes (16) of the heat-exchanger unit (13).

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Citation (search report)  
• [A] US 2348569 A 19440509 - PETERS OTTO A  
• [A] AT 12843 U1 20121215 - LASCO HEUTECHNIK GMBH [AT]  
• [AD] US 2013133560 A1 20130530 - LASKOWSKI SCOTT [US], et al  
• See references of WO 2015052364A1

Cited by  
IT201800003153A1

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