

Invention Title	ENHANCED HYBRID EJECTOR REVERSE-DOWNDRAFT STOVE (EHERS) - N KG/HOUR
Publication Number	27/2016
Publication Date	01/07/2016
Publication Type	INA
Application Number	5175/CHE/2014
Application Filing Date	16/10/2014
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CHEMICAL
Classification (IPC)	C10J

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#### Abstract:

The present invention describes an enhancement over the improved stove using ideas of ejector induced gasification. The stove described continues to use inclined fuel port 7, but the entire length including a small part of the fuel feed part is perforated. The fuel used in the stove varies from pellets of high density for which this design is more appropriately suited, but with appropriate changes in the perforated sheet area, it can also accept split fuel wood sticks to other agro-residues like cotton stalk or corncob.

The stove has been provided with a wall integrated ejector, which receives air from a fan that also provides air for the bottom zone of the porous fuel plate 7. The present invention further describes various details of the enhanced Hybrid Ejector induced - Reverse-downdraft gasifier Stove (EHERS). Figure 1