

BIOMASS TORREFACTION SYSTEM AND METHOD

Abstract

A biomass torrefaction system is provided which enables a continuous torrefaction process that involves the introduction of biomass particles into a rotating reactor drum having a low oxygen environment. The particles are conveyed through the drum by a heated gas stream and simultaneously torrefied thereby. Gas exiting the drum is recirculated back to a heat source for reheating the gas prior to reentering the drum. A method of biomass torrefaction is also provided.

Fig 1