

FP:("PALE BLUE DOT ENERGY")

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1. [WO/2017/025747](#) DISTILLATION SYSTEMS, APPARATUS AND METHODS

WO - 16.02.2017

Int.Class [B01D 3/02](#) Appl.No PCT/GB2016/052489 Applicant PALE BLUE DOT ENERGY LIMITED Inventor DUMENIL, Tim

There is described distillation systems, apparatus, databases and methods particularly for use in alcohol distillation using pot stills [e.g. such as those used for producing Scotch Whisky]. In some examples, there is described a system having a pot still for distilling alcoholic product from a fluid and a heat exchange system fluidly connected to the pot still. That heat exchange system may have at least one heat exchanger for imparting thermal energy to fluid, and at least one fluid controller to pump fluid to the heat exchanger, and to return fluid to the pot still. In some cases, there is also described a control system in communication with the heat exchange system and configured to operatively control both the fluid controller and the heat exchanger in order to control the properties of the fluid being returned to the pot still. In some cases, particular distillation profiles may be used provide particular resultant alcohol content and/or characteristics of any subsequently distilled alcoholic producte.g. while controlling energy usage.

2. [2557514](#) DISTILLATION SYSTEMS, APPARATUS AND METHODS

GB - 20.06.2018

Int.Class [B01D 3/02](#) Appl.No 201803792 Applicant PALE BLUE DOT ENERGY LTD Inventor TIM DUMENIL

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