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(71) Applicant: **EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY** [US/US]; 1545 ROUTE 22 EAST, P.O. BOX 900, ANNANDALE, New Jersey 08801-0900 (US).

(72) Inventors: **ALDOUS, Keith K.**; c/o EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, 1545 ROUTE 22 EAST, P.O. BOX 900, ANNANDALE, New Jersey 08801-0900 (US). **GREEN, Sara K.**; c/o EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, 1545 ROUTE 22 EAST, P.O. BOX 900, ANNANDALE, New Jersey 08801-0900 (US). **HARRISON, William R.**; c/o EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, 1545 ROUTE 22 EAST, P.O. BOX 900, ANNANDALE, New Jersey 08801-0900 (US). **KROLL, Vincent**; c/o EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, 1545 ROUTE 22 EAST, P.O. BOX 900, ANNANDALE, New Jersey 08801-0900 (US). **SUTOWSKI, Kevin**; c/o EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, 1545 ROUTE 22 EAST, P.O. BOX 900, ANNANDALE, New Jersey 08801-0900 (US).

(74) Agent: **CARTER, Lawrence E.**; Shook, Hardy & Bacon LLP, 2555 Grand Blvd, Kansas City, Missouri 64108 (US).

(54) Title: ASPHALT AIR BLOWING WITH LIQUID JET EJECTOR AND COIL

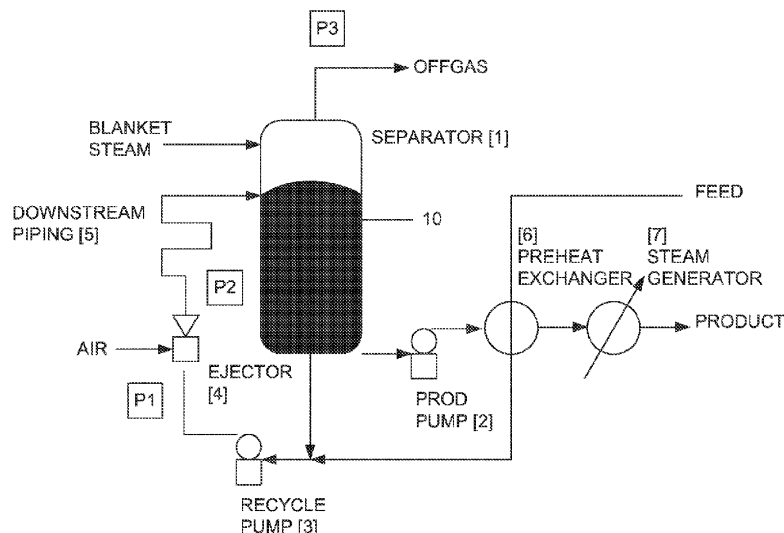


FIG. 2.

(57) Abstract: A process for increasing the softening point of asphalt using an eductor, preheated asphalt is mixed with an input gas in the eductor to form a gas/asphalt mixture. The gas/asphalt mixture is conducted to a heated and pressurized oxidizer vessel via piping connected to the discharge connection of the eductor, where the piping enables a bubble flow pattern to develop therein to enable reaction of the oxygen with the asphalt. The oxygen entrained asphalt mixture is discharged from an exit port of the piping in the oxidizer vessel. The resulting oxidized asphalt product stream has a softening temperature greater than the preheated asphalt feed. The process minimizes the off-gas produced to reduce the carbon footprint.

[Continued on next page]



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