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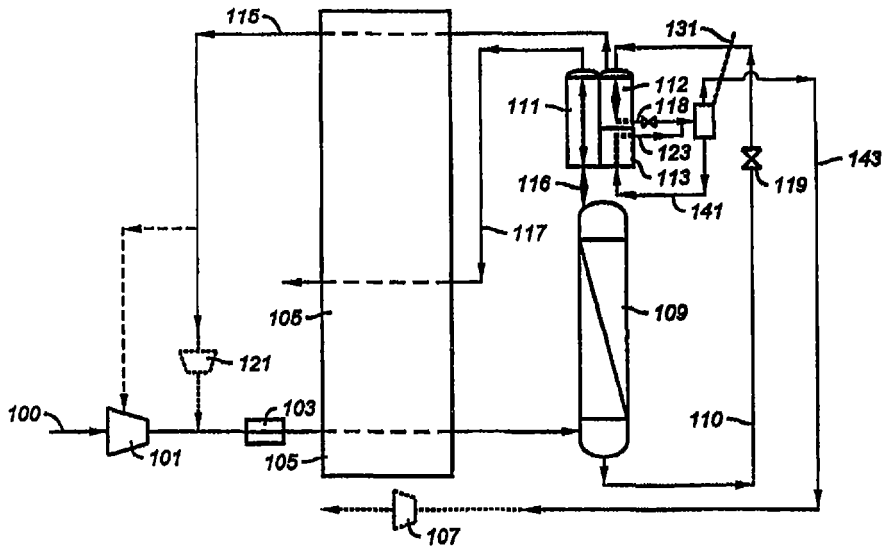
(54) Title: PROCESS AND APPARATUS FOR THE PRODUCTION OF NITROGEN BY CRYOGENIC DISTILLATION USING A DEPHLEGMATOR



(57) Abstract

A single column (109) is used to produce nitrogen (117) by separating a cleaned, compressed air feed (100). A rectifying dephlegmator (111) is used to purify nitrogen (116) from the top of the column. Oxygen rich liquid (110) from the bottom of the column is stripped in a stripping dephlegmator (112). Stripped gaz (115) from the stripping dephlegmator is recycled to the air feed (110). Liquid from the stripping dephlegmator is waste gaz (143). Rectifying dephlegmator (111) and stripping dephlegmator (112) are in thermal connection.

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