

ABSTRACT

The present invention relates to a method for liquefying a gas. The method comprises compressing a main stream of the gas. The method further comprises cooling the compressed main stream. Cooling the main stream comprises firstly subdividing the compressed main stream. The first subdivision provides a first cooling stream. Cooling the main stream further comprises subsequently subdividing the compressed main stream at least once. The at least one subsequent subdivision of the compressed main stream provides at least one subsequent cooling stream. Cooling the main stream further comprises cooling the first cooling stream via the at least one subsequent cooling stream. Cooling the main stream further comprises cooling the compressed main stream via the first cooling stream and cooling the main stream via the at least one subsequent cooling stream.

(FIG.2)