

ABSTRACT

SYSTEM AND PROCESS FOR NATURAL GAS LIQUEFACTION

5 Embodiments of the present invention provide a process for liquefaction of a
natural gas. The process includes cooling the natural gas with a first refrigerant provided
by a first cooling system and cooling the natural gas with a second refrigerant provided by
a second cooling system. The second cooling system is a single phase cooling system.
The first and second cooling systems operate independently from each other. The second
10 refrigerant is cooled with the first refrigerant so that the cooling capacity of the second
refrigerant and the second cooling system is increased.

(Fig. 4)