

Title (en)
CRYOGENIC COMPRESSOR COMPRISING A HIGH-PRESSURE PHASE SEPARATOR

Title (de)
KRYOVERDICHTER MIT HOCHDRUCKPHASENTRENNER

Title (fr)
COMPRESSEUR CRYOGENIQUE A SEPARATEUR DE PHASE HAUTE PRESSION

Publication
EP 1915530 A1 20080430 (DE)

Application
EP 06754048 A 20060601

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Abstract (en)
[origin: US2008213110A1] An apparatus and method for compressing a cryogenic media is disclosed. A compressor includes a compressor chamber surrounded by a cylinder wall in which a compressor piston is moved in a linear manner, a suction valve and a pressure valve, which are arranged in the region of the lower end position of the compressor piston, and a liquid chamber which at least partially surrounds the compressor chamber. The cylinder wall defines at least one opening, which corresponds to the liquid chamber, and at least one opening, via which the gaseous medium can be extracted from the compressor chamber, where the openings are located at points on the cylinder wall that are passed by the compressor piston.

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