

Title (en)

Screw compressor-expander cryogenic system.

Title (de)

Kältekreislauf mit Schraubenverdichter-Entspanner.

Title (fr)

Système cryogénique à compresseur et détendeur à vis.

Publication

EP 0004609 A2 19791017 (EN)

Application

EP 79100877 A 19790323

Priority

US 89467778 A 19780410

Abstract (en)

Cryogenic refrigeration system employs a power driven screw compressor which delivers pressurized refrigerant gas through a closed system to expand in a screw expander to produce refrigeration. The screw expander is rotatively coupled to the compressor. The screw compressor-screw expander cryogenic system includes heat exchangers and operates in the closed Brayton cycle to produce refrigeration.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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