

Title (en)

TUBE TRANSPORTATION SYSTEMS USING A GASEOUS MIXTURE OF AIR AND HELIUM

Title (de)

ROHRTRANSPORTSYSTEME MIT EINEM GASFÖRMIGEN GEMISCH AUS LUFT UND HELIUM

Title (fr)

SYSTÈMES DE TRANSPORT PAR TUBE UTILISANT UN MÉLANGE GAZEUX CONSTITUÉ D'AIR ET D'HÉLIUM

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020005273A1] A tubular transportation system is disclosed for transporting one or more passengers or one or more cargos via a capsule along a predetermined route. The tubular transportation system has: (1) a plurality of substantially evacuated tubes arranged along the predetermined route, where each tube is maintained at a pressure that is below atmospheric pressure; and (2) means for maintaining within each tube in the plurality of substantially evacuated tubes, a gaseous composition comprising a mixture of a first percentage, x, of helium and a second percentage, (100-x), of air, and wherein the first percentage, x, of helium is picked based on a predetermined power value and a leak rate associated with the tube.

IPC 8 full level

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