

Title (en)

A METHOD OF USING AIR AND HELIUM IN LOW-PRESSURE TUBE TRANSPORTATION SYSTEMS

Title (de)

VERFAHREN ZUR VERWENDUNG VON LUFT UND HELIUM IN NIEDERDRUCKROHRTRANSPORTSYSTEMEN

Title (fr)

PROCÉDÉ D'UTILISATION D'AIR ET D'HÉLIUM DANS DES SYSTÈMES DE TRANSPORT PAR TUBE À BASSE PRESSION

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Application

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Priority

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Abstract (en)

[origin: WO2020005278A1] A method is described for maintaining a gaseous composition within a tube (that is part of tubular transportation system for transporting passengers or cargos via a capsule), where the tube is arranged along a predetermined route. The method comprises: (a) pumping the tube to a pressure that is below atmospheric pressure until the tube is substantially evacuated; (b) identifying a predetermined power value; (c) identifying a first percentage, x, of helium based on the predetermined power value identified in (b) and a leak rate associated with the tube; (d) maintaining, within each tube in the plurality of substantially evacuated tubes, a gaseous composition a gaseous composition comprising a mixture of a first percentage, x, of helium and a second percentage, (100-x), of air.

IPC 8 full level

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