

Title (en)

METHOD AND DEVICE FOR THE CLEANING OF PIPELINES OR SYSTEMS BY MEANS OF MODULATING PRESSURE GAS PULSES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REINIGUNG VON ROHRLEITUNGEN ODER SYSTEMEN MITTELS MODULIERENDEN DRUCKGASIMPULSEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE NETTOYAGE DES CONDUITES OU DES SYSTÈMES AU MOYEN DES IMPULSIONS DE GAZ COMPRIMÉ MODULANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2023057157A1] The present invention relates to a method and an apparatus for cleaning pipelines or systems by way of a pipeline section partially filled with flushing liquid being subjected to modulating compressed-gas pulses to form alternating blocks of liquid and blocks of gas, which, for the purpose of removing deposits from the pipeline walls, are driven in a pulse-like manner through the pipeline along a flushing section from an infeed location to a discharge location. Provision is made according to the invention for a preliminary section to be arranged upstream of the flushing section, for the purpose of accelerating the liquid volume in the pipeline or the system, wherein the preliminary section is partially filled with the flushing liquid and is dimensioned, in respect of its geometry, diameter and/or length, such that, when subjected to a compressed-gas mixture, the blocks of liquids can form fully within the preliminary section so as to fill the cross section of the following flushing section as they pass through it.

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