

Title (en)

AN INSULATED PIPE AND A MEHTOD FOR MANUFACTURING AN INSULATED PIPE

Title (de)

ISOLIERTES ROHR UND VERFAHREN ZUR HERSTELLUNG EINES ISOLIERTEN ROHRS

Title (fr)

CONDUITE ISOLEE ET PROCEDE DE FABRICATION D'UNE CONDUITE ISOLEE

Publication

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Application

**EP 03798086 A 20030924**

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Abstract (en)

[origin: WO2004029501A1] The invention relates to an insulated pipe intended for advancing media, said media having temperatures lower than the ambient temperature, said pipe comprising at least one jacket pipe, at least one medium pipe and at least one insulating layer situated between the jacket pipe and the medium pipe, wherein the pipe is intended for the jacket pipe and the medium pipe being, prior to operation, interconnected and secured in a pre-tensioned sate. In case of submarine gas lines for the transport of liquid gas, the temperature of which very low, such pipe-in-pipe pipelines are still not known, since the safety level concerning the operation of the line is insufficient; the prior art insulating materials and methods not having proved to be applicable. Novel and characterizing aspects of the pipe according to the invention comprise that the at least one insulating layer is arranged in such a manner that thermal contractions and expansions of the media pipe are only partially or essentially not transferred to the insulating layer, and that the insulating layer comprises at least one elastic absorbing layer, said absorbing layer being located at the interior side of the insulating layer.

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