

Title (en)  
DIFFERENTIAL PRESSURE TRANSMITTER WITH INTRINSIC VERIFICATION

Title (de)  
DIFFERENZDRUCKÜBERTRÄGER MIT INTRINSISCHER ÜBERPRÜFUNG

Title (fr)  
TRANSMETTEUR DE PRESSION DIFFÉRENTIELLE AYANT UNE VÉRIFICATION INTRINSÈQUE

Publication  
**EP 3861312 A1 20210811 (EN)**

Application  
**EP 19794311 A 20191004**

Priority  
• US 201816152969 A 20181005  
• US 2019054710 W 20191004

Abstract (en)  
[origin: WO2020072911A1] Methods of compensating for undesired influences in a pressure transmitter wherein the pressure transmitter comprises a body for housing a low-pressure sensor and a high-pressure sensor each of which is in fluid communication with a port and in further fluid communication with each other through a connector tube containing a fill fluid. Various embodiments of the compensation process use one of the high-pressure and the low-pressure sensor as a common reference, compensating for changes in calibration, such as changes in the effective areas or spring rates of the non-reference sensor.

IPC 8 full level  
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CPC (source: EP)  
**G01L 9/12** (2013.01); **G01L 9/125** (2013.01); **G01L 13/025** (2013.01); **G01L 27/002** (2013.01)

Citation (search report)  
See references of WO 2020072911A1

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
**WO 2020072911 A1 20200409**; CA 3117915 A1 20200409; EP 3861312 A1 20210811

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