Title (en)

METHOD AND MEASURING DEVICE FOR DETECTING THE PROPER INSERTION DEPTH IN A PIPE PRESS-FITTED CONNECTION

Title (de)

VERFAHREN UND MESSGERÄT ZUR DETEKTIERUNG DER ORDNUNGSGEMÄSSEN EINSTECKTIEFE IN EINER ROHRPRESSVERBINDUNG

Title (fr)

PROCEDE ET APPAREIL DE MESURE POUR VERIFIER L'EXACTITUDE DE LA PROFONDEUR D'INSERTION D'UN TUBE EMMANCHE A LA PRESSE

Publication

EP 1088184 A2 20010404 (DE)

Application

EP 99941377 A 19990618

Priority

- DE 9901833 W 19990618
- DE 19829999 A 19980624

Abstract (en)

[origin: DE19829999C1] The invention relates to a method and measuring device for detecting the proper insertion depth in a pipe press-fitted connection comprising an eddy current device, a probe connected thereto, and a measuring circuit. Said measuring circuit is provided in the eddy current device and evaluates eddy current signals in such a way that a signal is produced according to the proper or improper insertion depth. For this, the probe (8) is dimensionally configured such that it can also be placed using the same application pressure on the smallest nominal dimension to be measured of a press fitting (1) or of a press fitting element without interfering with the measured result. After inserting the end area of the pipe in the press fitting or in the press fitting element, eddy current of a suitable frequency is passed into the connection in the overlapping area between the pipe and the press fitting, and the receiving signal is transformed into a good-bad indication, whereby the insertion area which can be detected from the exterior forms the point of incidence of the current.

IPC 1-7

F16L 13/00

IPC 8 full level

B25B 27/06 (2006.01); **F16L 21/00** (2006.01); **G01B 7/26** (2006.01)

CPC (source: EP)

B25B 27/06 (2013.01); **F16L 21/00** (2013.01); **G01B 7/26** (2013.01)

Citation (search report)

See references of WO 9967562A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19829999 C1 20000113; AU 5503099 A 20000110; EP 1088184 A2 20010404; WO 9967562 A2 19991229; WO 9967562 A3 20000302

DOCDB simple family (application)

DE 19829999 A 19980624; AU 5503099 A 19990618; DE 9901833 W 19990618; EP 99941377 A 19990618