

Title (en)

CONTRACTION UNIT WITH POSITION SENSOR DEVICE

Title (de)

KONTRAKTIONSEINHEIT MIT POSITIONSSENSOREINRICHTUNG

Title (fr)

UNITE A CONTRACTION EQUIPEE D'UN DISPOSITIF CAPTEUR DE POSITION

Publication

**EP 1511941 B1 20051116 (DE)**

Application

**EP 03729995 A 20030509**

Priority

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- EP 0304859 W 20030509

Abstract (en)

[origin: WO03104659A1] A contraction unit with a contraction tube (10), running between two separate header pieces (11, 12), which undergoes a contraction on internal pressurisation and a position sensor device for recording the separation between the header pieces (11, 12), is disclosed. Said position sensor device comprises a microwave generator (16) arranged on one of the header pieces (11), emitting microwaves into the interior (13) of the contraction tube, whereby an analytical device (17 - 21) for determining the separation between the header pieces by means of transmission time measurement, phase comparison of the emitted and reflected waves or by resonant frequency determination is provided.

IPC 1-7

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IPC 8 full level

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