

Title (en)
LEVEL TRANSMITTER

Title (de)
FÜLLSTANDSGEBER

Title (fr)
TRANSMETTEUR DE NIVEAU

Publication
EP 2800953 A1 20141112 (DE)

Application
EP 12812251 A 20121220

Priority
• DE 102012200122 A 20120105
• DE 102012205640 A 20120405
• EP 2012076513 W 20121220

Abstract (en)
[origin: WO2013102580A1] The invention relates to a level transmitter 3 having a sound-carrying tube 10 and a level sensor 4 with an ultrasound transceiver 8 and sensor electronics 9. The sound-carrying tube 10 has two reflectors 12, 14 which are arranged at a distance from one another, wherein the first reflector 12 is designed to deflect the ultrasound in the direction of the second reflector 14 and the second reflector 14 is designed to deflect the ultrasound in the direction of the surface of the liquid, and wherein a third reflector 16 is arranged in the second reflector 14 in such a manner that ultrasound impinging on said third reflector is reflected in the direction of the first reflector 12.

IPC 8 full level
G01F 23/296 (2006.01); **G01F 25/00** (2006.01)

CPC (source: EP US)
G01F 23/296 (2013.01 - US); **G01F 23/2962** (2013.01 - EP US); **G01F 25/20** (2022.01 - EP US)

Citation (search report)
See references of WO 2013102580A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013102580 A1 20130711; CN 104040304 A 20140910; CN 104040304 B 20160921; DE 102012205640 A1 20130711;
DE 102012205640 B4 20180530; EP 2800953 A1 20141112; KR 20140111660 A 20140919; US 2014345377 A1 20141127;
US 9719833 B2 20170801

DOCDB simple family (application)
EP 2012076513 W 20121220; CN 201280066000 A 20121220; DE 102012205640 A 20120405; EP 12812251 A 20121220;
KR 20147018111 A 20121220; US 201214370150 A 20121220