

Title (en)

MASS FLOW APPARATUS FOR POWDERED AND GRANULATED SOLIDS AND ACCUMULATED WEIGHT

Title (de)

MASSENDURCHFLUSS-MESSGERÄT FÜR PULVER UND GRANULATE UND AGGLOMERIERTE MASSEN.

Title (fr)

DEBITMETRE MASSIQUE POUR MATIERES SOLIDES EN POUDRE ET EN GRANULES ET MASSE ACCUMULEE

Publication

EP 1254351 A1 20021106 (EN)

Application

EP 00992903 A 20001212

Priority

- US 0042755 W 20001212
- US 47600899 A 19991229

Abstract (en)

[origin: WO0148442A1] A mass flow apparatus for measuring the mass flow rate of powdered, granulated or solid particulate materials includes a material inlet (24), a material outlet (27), a measuring chamber (25) connecting the inlet and the outlet, comprising a movable element (20) with a fixed axis of rotation located in the flow path and having attached to the axis of rotation a flow sensor (22) which provides a raw output signal corresponding to an unknown mass flow rate and a processor containing empirically derived calibration function for converting the raw output signal to an adjusted signal indicating the corrected mass flow rate of the flowing material.

IPC 1-7

G01F 1/30; **G01F 25/00**

IPC 8 full level

G01F 1/30 (2006.01); **G01F 1/76** (2006.01); **G01F 25/00** (2006.01)

CPC (source: EP)

G01F 1/30 (2013.01); **G01F 1/76** (2013.01); **G01F 25/00** (2013.01); **G01F 25/13** (2022.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0148442 A1 20010705; AU 4716501 A 20010709; EP 1254351 A1 20021106; EP 1254351 A4 20060705

DOCDB simple family (application)

US 0042755 W 20001212; AU 4716501 A 20001208; EP 00992903 A 20001212