

Title (en)
METERING OVEN

Title (de)
DOSIEROFEN

Title (fr)
FOUR DE DOSAGE

Publication
EP 0946314 B1 20030625 (DE)

Application
EP 97951076 A 19971110

Priority
• DE 9702663 W 19971110
• DE 19647713 A 19961111

Abstract (en)
[origin: US6303073B1] The invention concerns a metering oven (1) with a vessel (12) for holding a liquid metal and with a device for detecting a liquid metal level in a vessel. A tubular probe (5) is connected to a gas source (10) for discharging a gas at a predetermined pressure from the gas source through the probe and out of its aperture. The probe is spatially associated in a fixed manner with the vessel such that pressures which can be detected by a pressure-measuring device (9) can be associated with different liquid metal levels inside the probe. At a given pressure threshold value, the pressure-measuring device can emit a signal for a given liquid metal level to be detected.

IPC 1-7
B22D 2/00; **B22D 39/06**

IPC 8 full level
G01F 23/14 (2006.01); **B22D 2/00** (2006.01); **B22D 39/06** (2006.01)

CPC (source: EP US)
B22D 2/003 (2013.01 - EP US); **B22D 39/06** (2013.01 - EP US)

Cited by
EP2283950A1; DE102009037368A1; EP3189913A1; WO2017118722A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
US 6303073 B1 20011016; AT E243580 T1 20030715; AU 5476098 A 19980603; AU 733931 B2 20010531; BR 9713002 A 20000125; CA 2271207 A1 19980522; CA 2271207 C 20060912; DE 19647713 A1 19980514; DE 19647713 C2 20000105; DE 59710352 D1 20030731; EP 0946314 A1 19991006; EP 0946314 B1 20030625; ES 2201336 T3 20040316; JP 2001504218 A 20010327; JP 4327908 B2 20090909; WO 9820996 A1 19980522

DOCDB simple family (application)
US 29799299 A 19990625; AT 97951076 T 19971110; AU 5476098 A 19971110; BR 9713002 A 19971110; CA 2271207 A 19971110; DE 19647713 A 19961111; DE 59710352 T 19971110; DE 9702663 W 19971110; EP 97951076 A 19971110; ES 97951076 T 19971110; JP 52205298 A 19971110