

Title (en)  
Integrated shot counter for a mixing head.

Title (de)  
Integrierter Schusszaehler für Mischkopf

Title (fr)  
Compteur de coups pour une tête de mélange.

Publication  
**EP 1724002 A3 20080716 (DE)**

Application  
**EP 06113066 A 20060425**

Priority  
DE 102005023232 A 20050520

Abstract (en)  
[origin: EP1724002A2] A mixing head with an integral counter for units produced, comprises an arrangement (22,24) for determining the operation of the head, an electrical detection and storage unit (12,14), and motion detectors connected to a control or cleansing piston. The counter is an incremental counter. The storage agent is non-volatile. The motion detectors consist of a sensor, eg a Reed switch. The detection and storage unit is read only. A battery is used to operate the detection and storage unit, and the unit is moulded into the mixing head housing or in a lid. Additional information can be stored in a second storage unit.

IPC 8 full level  
**B01F 5/00** (2006.01); **G06M 1/00** (2006.01); **G06M 7/00** (2006.01)

CPC (source: EP US)  
**B01F 25/105** (2022.01 - EP US); **G06M 1/00** (2013.01 - EP US); **G06M 7/00** (2013.01 - EP US)

Citation (search report)

- [A] GB 1305630 A 19730207
- [A] US 4165187 A 19790821 - JAMES JAMES R

Cited by  
EP4249206A1; DE102022106288A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1724002 A2 20061122; EP 1724002 A3 20080716; EP 1724002 B1 20110105**; AT E494059 T1 20110115; CN 1864970 A 20061122; DE 102005023232 A1 20061123; DE 502006008641 D1 20110217; ES 2358272 T3 20110509; PL 1724002 T3 20110531; US 2006262640 A1 20061123

DOCDB simple family (application)  
**EP 06113066 A 20060425**; AT 06113066 T 20060425; CN 200610073304 A 20060407; DE 102005023232 A 20050520; DE 502006008641 T 20060425; ES 06113066 T 20060425; PL 06113066 T 20060425; US 38304006 A 20060512