

Title (en)

Cast iron component with integrated function elements

Title (de)

Gussbauteil mit integrierten Funktionselementen

Title (fr)

Composant coulé doté d'éléments de fonction intégrés

Publication

**EP 2025433 B1 20120822 (DE)**

Application

**EP 08019322 A 20051010**

Priority

- EP 05022013 A 20051010
- DE 102004049353 A 20041008
- DE 102005018936 A 20050422

Abstract (en)

[origin: EP1645350A1] In a process to fabricate a cast metal component with integral functional elements e.g. sensors or temperature-sensitive functional elements, the heat-screened element is pre-positioned within a casting form cavity. The metal is then cast in the conventional way. The position of the form is so chosen that the flow speed of liquid metal is low in the vicinity of the functional element. Also claimed is a suitable cast assembly.

IPC 8 full level

**B22D 19/00** (2006.01)

CPC (source: EP)

**B22D 19/0081** (2013.01); **B22D 19/04** (2013.01)

Cited by

DE102015203797A1; DE102015102308A1; US10052686B2; EP3064293A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1645350 A1 20060412**; **EP 1645350 B1 20090617**; AT E433811 T1 20090715; DE 102005018936 A1 20060420; DE 202005021246 U1 20070823; DE 502005007494 D1 20090730; DK 1645350 T3 20091012; EP 2025433 A2 20090218; EP 2025433 A3 20090805; EP 2025433 B1 20120822; PL 1645350 T3 20091130; PL 2025433 T3 20121231; SI 1645350 T1 20091031

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