

Title (en)

DETECTING METAL SEPARATION FROM CASTING MOLD

Title (de)

DETEKTION DER METALLTRENNUNG AUS EINER GUSSFORM

Title (fr)

DÉTECTION DE SÉPARATION DE MÉTAL À PARTIR D'UN MOULE DE COULÉE

Publication

**EP 4185421 A1 20230531 (EN)**

Application

**EP 21755274 A 20210723**

Priority

- US 202062705945 P 20200723
- US 202062705947 P 20200723
- US 2021042969 W 20210723

Abstract (en)

[origin: WO2022020717A1] Metal can separate from a casting mold during the casting process. A detection system can monitor the mold and determine if the metal has separated from the mold. The detection system can include a camera, a light source, and a computer system. The camera and light source can be placed on opposite sides of the casting mold and positioned to both point toward the mold. The computer system can detect if any light is visible between the mold and the metal based on data received from the camera. The computer system can then determine the metal has pulled away from the mold based on the detected light.

IPC 8 full level

**B22D 11/049** (2006.01); **B22D 11/16** (2006.01); **B22D 11/18** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP KR US)

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