

Title (en)

A launder system for supplying molten metal and a launder nozzle.

Title (de)

Giessrinne und Giessdüse für geschmolzenes Metall.

Title (fr)

Dispositif de canal de coulée avec une buse de coulée.

Publication

**EP 0453079 A1 19911023 (EN)**

Application

**EP 91301900 A 19910307**

Priority

GB 9008538 A 19900417

Abstract (en)

A launder system (16) for supplying molten metal (14) from a crucible (10) to a casting mould or a secondary process comprises a nozzle (22) which has a filter (26) positioned within the nozzle (22) to filter the molten metal as it flows through the nozzle (22). The nozzle (22) and filter (26) assembly is removably locatable on the launder system (16), and is used once and is replaced by a new nozzle and filter assembly. This allows efficient cleaning of the molten metal without an increase of probability of blockage due to the filter. The scrapping rate of the launder system is reduced, and hence the launder may be used many times. <IMAGE>

IPC 1-7

**B22D 1/00**; **B22D 35/00**; **B22D 41/50**

IPC 8 full level

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CPC (source: EP)

**B22C 9/086** (2013.01); **B22D 35/00** (2013.01); **B22D 41/50** (2013.01)

Citation (search report)

- [A] DE 865942 C 19530205 - JUNGHANS SIEGFRIED DR-ING E H
- [A] DE 3048220 A1 19810924 - STOPINC AG [CH]
- [A] EP 0317500 A1 19890524 - ALUSUISSE [CH]
- [A] AT 19213 B 19050225 - FRANZE CARL
- [A] EP 0234572 A1 19870902 - ASEA AB [SE]

Cited by

EP2462250A4; EP0765702A1; FR2739313A1; US5733469A; CN1064286C; US10076784B2

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