

Title (en)

Apparatus to facilitate opening of molten metal casting vessel

Title (de)

Vorrichtung zum Erleichtern des Öffnens eines Gefäßes für schmelzflüssige Metalle

Title (fr)

Dispositif pour faciliter l'ouverture d'un récipient de coulée de métal liquide

Publication

EP 1329271 A1 20030723 (EN)

Application

EP 02250302 A 20020116

Priority

- EP 02250302 A 20020116
- CA 2367586 A 20020114

Abstract (en)

An apparatus to facilitate opening of molten metal casting vessels (12) includes a well block (26) within a discharge port of a casting vessel. The well block has a central opening through it along a longitudinal axis. At least one nozzle insert (28,30,32) is located within the central opening, and has a central opening through it that is substantially coaxial with the central opening of the well block. The insert has an outer surface complementary to and matingly engaging the central opening of the well block and at least one channel (50) extending along the outer surface of the insert. The well block includes a plenum (48) substantially surrounding the central opening of the well block and in fluid flow communication with the channel. A fluid supply line (40) communicates with the plenum and supplies a fluid under pressure to the plenum and the channel. Fluid supplied to the plenum flows through the channel and the discharge port and into the interior of the vessel. <IMAGE>

IPC 1-7

B22D 41/58; B22D 41/42; B22D 1/00

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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