

Title (en)
Pouring tubes.

Title (de)
Giessrohre.

Title (fr)
Busettes de coulée.

Publication
EP 0178053 A1 19860416 (EN)

Application
EP 85305872 A 19850819

Priority
GB 8422486 A 19840906

Abstract (en)
The pouring tube comprises a tubular structure (1, 6) formed from refractory, heat-insulating material encased by a sheet metal casing (2, 7). The metal casing (2, 7) is protected from attack by molten metal and/or accompanying slag by a protective sleeve (4, 9). The sleeve (4, 9) and the casing (2, 7) are located in a spaced apart relationship over at least a part of the length of the sleeve to allow for expansion of the tube without fracture of the sleeve.

IPC 1-7
B22D 11/10

IPC 8 full level
B22D 11/10 (2006.01); **B22D 41/50** (2006.01)

CPC (source: EP)
B22D 41/505 (2013.01)

Citation (search report)
• [A] FR 1493389 A 19670825 - UNITED STATES STEEL CORP
• [A] WO 8201836 A1 19820610 - DAUSSAN & CO [FR], et al
• [A] BE 679008 A 19661004
• [A] EP 0102292 A2 19840307 - DAUSSAN & CO [FR]
• [A] FR 2285946 A1 19760423 - DIDIER WERKE AG [DE]

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FR2830472A1; EP0402673A3; EP1302262A1; FR2830473A1; WO0172454A1

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DOCDB simple family (publication)
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