

Title (en)
Additives for foundry sand

Title (de)
Additive für Giessereisande

Title (fr)
Additifs pour sable de fonderie

Publication
EP 0795366 A1 19970917 (DE)

Application
EP 97104054 A 19970311

Priority
• DE 19609539 A 19960311
• EP 9701725 W 19970407

Abstract (en)
In a composition containing moulding sand and additive, the additive comprises cryolite. Also claimed are: (i) an additive (I) containing cryolite and other component(s); and (ii) the use of cryolite or (I) as additive in the production of foundry cores and moulds, especially by the gas-hardening, warm box, hot box, Croning or cold-hardening process. Pref., the additive also contains mineral, wood powder, fibrous organic material, carbohydrate, carbon, natural oil, mineral oil, wax, natural- or synthetic resin or mixtures.

Abstract (de)
Die Erfindung betrifft Zusammensetzungen, enthaltend Gießereisand und Additiv, wobei das Additiv Kryolith umfaßt. Durch die Verwendung eines solchen Additivs bei der Herstellung von Gießereikernen und -formen werden sogenannte Blattrippen beim Abgießen deutlich vermindert bzw. ganz verhindert.

IPC 1-7
B22C 1/02

IPC 8 full level
B22C 1/02 (2006.01)

CPC (source: EP)
B22C 1/02 (2013.01)

Citation (search report)
• [X] GB 838050 A 19600622 - OSWALD EMBLEM
• [X] US 4088624 A 19780509 - BHATTACHARYYA ASITA, et al
• [X] DATABASE WPI Week 9135, Derwent World Patents Index; AN 91-258333, XP002033757
• [X] DATABASE WPI Section Ch Week 7726, Derwent World Patents Index; Class L02, AN 77-46508Y, XP002033758
• [X] DATABASE WPI Section Ch Week 7901, Derwent World Patents Index; Class M22, AN 79-01405B, XP002033759
• [A] DATABASE WPI Section Ch Week 8044, Derwent World Patents Index; Class M22, AN 80-78428C, XP002033760
• [A] DATABASE WPI Section Ch Week 7552, Derwent World Patents Index; Class H07, AN 75-86103W, XP002033761

Cited by
DE102019002802A1; WO9845068A1; WO2012104096A1; WO2020212433A1; WO2019224070A1; EP4147804A1

Designated contracting state (EPC)
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