

Title (en)  
INORGANIC COATED SAND

Title (de)  
ANORGANISCHER BESCHICHTETER SAND

Title (fr)  
SABLE REVÊTU INORGANIQUE

Publication  
**EP 4342600 A1 20240327 (EN)**

Application  
**EP 21940891 A 20211115**

Priority  
• JP 2021084739 A 20210519  
• JP 2021171022 A 20211019  
• JP 2021041860 W 20211115

Abstract (en)  
Provided is a method for reducing sand burning in a cast by a casting mold, which is manufactured using inorganic coated sand including a refractory aggregate and an inorganic binder layer formed on a surface of the refractory aggregate, in which the inorganic binder layer contains one or more selected from the group consisting of graphite, mica, and zirconium silicate, and a total content of the graphite, the mica, and the zirconium silicate is 7 parts by mass or greater and 70 parts by mass or less with respect to 100 parts by mass of an inorganic binder.

IPC 8 full level  
**B22C 1/02** (2006.01); **B22C 1/18** (2006.01)

CPC (source: EP)  
**B22C 1/02** (2013.01); **B22C 1/18** (2013.01); **B22C 1/188** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4342600 A1 20240327**; WO 2022244280 A1 20221124

DOCDB simple family (application)  
**EP 21940891 A 20211115**; JP 2021041860 W 20211115