

Title (en)  
INORGANIC COATED SAND

Title (de)  
ANORGANISCHER BESCHICHTETER SAND

Title (fr)  
SABLE ENDUIT INORGANIQUE

Publication  
**EP 4286072 A1 20231206 (EN)**

Application  
**EP 22745685 A 20220119**

Priority  
• JP 2021012896 A 20210129  
• JP 2021207414 A 20211221  
• JP 2022001786 W 20220119

Abstract (en)  
A method for reducing deformation of a casting mold during casting, in which in the casting mold prepared using an inorganic coated sand having a refractory aggregate and an inorganic binder layer formed on the surface of the refractory aggregate, the inorganic binder layer contains one or more selected from zinc oxide and magnesium oxide, and the total content of the zinc oxide and the magnesium oxide is 6 parts by mass or more and 70 parts by mass or less with respect to 100 parts by mass of the inorganic binder.

IPC 8 full level  
**B22C 1/10** (2006.01); **B22C 1/18** (2006.01)

CPC (source: EP)  
**B22C 1/02** (2013.01); **B22C 1/10** (2013.01); **B22C 1/18** (2013.01); **B22C 1/188** (2013.01)

Citation (search report)  
See references of WO 2022163464A1

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 4286072 A1 20231206**; JP 2022117455 A 20220810; WO 2022163464 A1 20220804

DOCDB simple family (application)  
**EP 22745685 A 20220119**; JP 2022001786 W 20220119; JP 2022006406 A 20220119