

Title (en)
COOLER FOR COOLING BULK MATERIAL

Title (de)
KÜHLER ZUM KÜHLEN VON SCHÜTTGUT

Title (fr)
REFROIDISSEUR DESTINÉ AU REFROIDISSEMENT DE PRODUITS EN VRAC

Publication
EP 4158264 A1 20230405 (DE)

Application
EP 21725194 A 20210517

Priority
• DE 102020206819 A 20200602
• BE 202005389 A 20200602
• EP 2021062924 W 20210517

Abstract (en)
[origin: WO2021244836A1] The invention relates to a cooler for cooling bulk material, in particular cement clinker, having a ventilation base (12) through which a cooling gas can flow for receiving bulk material and for transporting the bulk material in a conveying direction (F), wherein the ventilation base (12) comprises a plurality of conveyor planks (14) which are attached for movement in the conveying direction (F) and against the conveying direction (F), and a seal (16) is attached between two adjacent conveyor planks (14), said seal having at least two seal elements (34, 36) which are attached for movement relative to each other. Each of the seal elements (34, 36) has a seal profile (46, 48), said profiles interacting with one another such that a seal gap (50) is formed between the seal profiles, and the seal gap has a double or multiple U-profile.

IPC 8 full level
F27B 7/38 (2006.01); **F27D 15/02** (2006.01)

CPC (source: EP US)
F27B 7/383 (2013.01 - EP); **F27D 15/0213** (2013.01 - EP); **F27D 15/022** (2013.01 - US); **F27D 2015/0233** (2013.01 - US)

Citation (search report)
See references of WO 2021244836A1

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)
WO 2021244836 A1 20211209; CN 115917233 A 20230404; EP 4158264 A1 20230405; EP 4158264 B1 20240522; EP 4158264 C0 20240522; US 2023243590 A1 20230803

DOCDB simple family (application)
EP 2021062924 W 20210517; CN 202180039319 A 20210517; EP 21725194 A 20210517; US 202118007644 A 20210517