

Title (en)

MULTI-CHANNEL WHEEL-RAIL TUNNEL KILN

Title (de)

MEHRKANALIGER RADSCHIENENTUNNELOFEN

Title (fr)

FOUR TUNNEL À ROUE-RAIL À PLUSIEURS CANAUX

Publication

EP 4212810 A4 20240403 (EN)

Application

EP 21920542 A 20210715

Priority

- CN 202110073681 A 20210120
- CN 202120158273 U 20210120
- CN 2021106423 W 20210715

Abstract (en)

[origin: EP4212810A1] A multi-channel wheel-rail tunnel kiln, which belongs to the field of tunnel kilns. The tunnel kiln comprises a kiln body, two atmosphere regulating chambers, a kiln outer housing, and an atmosphere control device; the kiln outer housing encloses the kiln body; and the two atmosphere regulating chambers are respectively connected at both ends of the kiln body; and the atmosphere control device is provided on the kiln body. The tunnel kiln can achieve relatively high yields and can also provide better atmosphere control.

IPC 8 full level

F27B 9/02 (2006.01); **F27B 9/10** (2006.01); **F27B 9/20** (2006.01); **F27B 9/26** (2006.01); **F27B 9/40** (2006.01); **F27D 19/00** (2006.01)

CPC (source: EP KR)

F27B 9/02 (2013.01 - EP KR); **F27B 9/021** (2013.01 - EP); **F27B 9/045** (2013.01 - EP KR); **F27B 9/10** (2013.01 - EP); **F27B 9/20** (2013.01 - EP KR); **F27B 9/26** (2013.01 - EP); **F27B 9/40** (2013.01 - EP); **F27D 3/02** (2013.01 - KR); **F27D 7/02** (2013.01 - KR); **F27D 19/00** (2013.01 - EP)

Citation (search report)

- [Y] US 2020269205 A1 20200827 - ESFEHANIAN ARIAN [DE], et al
- [Y] CN 207741543 U 20180817 - ACRE COKING & REFRACTORY DALIAN ENG CONSULTING CORP MCC
- [A] US 3091832 A 19630604 - TINKER CHARLES D
- [A] EP 0225432 A2 19870616 - DAIDO STEEL CO LTD [JP]
- [A] US 2008116621 A1 20080522 - BRENNAN JOHN HAROLD [US], et al
- See also references of WO 2022156161A1

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 4212810 A1 20230719; EP 4212810 A4 20240403; KR 20230059174 A 20230503; WO 2022156161 A1 20220728

DOCDB simple family (application)

EP 21920542 A 20210715; CN 2021106423 W 20210715; KR 20237010958 A 20210715