

Title (en)  
PIPE TOWER AND BASE STATION

Title (de)  
ROHRTURM UND BASISSTATION

Title (fr)  
TOUR TUBULAIRE ET STATION DE BASE

Publication  
**EP 3715562 A4 20210120 (EN)**

Application  
**EP 18896083 A 20181221**

Priority  
• CN 201721886511 U 20171228  
• CN 2018122752 W 20181221

Abstract (en)  
[origin: EP3715562A1] The present utility model provides a base station and a tube tower, including a tower wall, an accommodation space and a heat dissipation apparatus that are defined by the tower wall, where a compartment door including an air intake vent and an air exhaust vent is disposed on the tower wall, the accommodation space includes an accommodation compartment, and the accommodation compartment includes a sealing room and a ventilation room located above the sealing room, the compartment door closes the accommodation compartment, the air exhaust vent is in communication with the ventilation room, and the air intake vent is located outside the accommodation compartment; the heat dissipation apparatus includes an external power portion, a first power portion, and a first heat exchanger, where the first power portion is located at the top of the sealing room, the first heat exchanger is disposed on a side wall of the sealing room and includes a first internal air duct and a first external air duct isolated from the first internal air duct, the external power portion is located in the ventilation room and in communication with one end of the first external air duct, and the other end of the first external air duct is in communication with the air intake vent; and the first power portion is configured to: form, in the sealing room, an air flow that circularly flows, and transfer heat of the air flow to an outside of the sealing room through the first internal air duct.

IPC 8 full level  
**E04H 12/00** (2006.01); **F03D 13/20** (2016.01); **F24F 7/007** (2006.01); **F24F 13/30** (2006.01)

CPC (source: EP)  
**E04H 12/00** (2013.01); **E04H 12/003** (2013.01); **F24F 7/007** (2013.01); **F24F 13/30** (2013.01)

Citation (search report)  
• [A] EP 2151833 A1 20100210 - STARKSTROM GERAETEBAU GMBH [DE]  
• [A] US 2011298218 A1 20111208 - MURATA HAJIME [JP], et al  
• [A] WO 2010103114 A1 20100916 - XEMC DARWIND BV [NL], et al  
• [A] JP 2013164031 A 20130822 - MITSUBISHI HEAVY IND LTD  
• [A] US 2017009746 A1 20170112 - JAIN PRITESH [IN], et al  
• See references of WO 2019128874A1

Cited by  
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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

DOCDB simple family (publication)  
**EP 3715562 A1 20200930; EP 3715562 A4 20210120; EP 3715562 B1 20220309; CN 208039983 U 20181102; WO 2019128874 A1 20190704**

DOCDB simple family (application)  
**EP 18896083 A 20181221; CN 201721886511 U 20171228; CN 2018122752 W 20181221**