

Title (en)
HEAT CAPTURING DEVICE

Title (de)
WÄRMEAUFNAHMEVORRICHTUNG

Title (fr)
DISPOSITIF DE CAPTURE DE CHALEUR

Publication
EP 3670027 A1 20200624 (EN)

Application
EP 18382964 A 20181220

Priority
EP 18382964 A 20181220

Abstract (en)
Examples relate to a heat capturing device comprising: an upper side and lateral sides connected to the upper side, said connected sides define an energy capturing space. The device comprises an energy insulating layer, an intermediate energy reflecting layer and an inner energy capturing layer capturing energy from at least an object located inside the energy capturing space. The inner energy capturing layer comprises a structure of tubes which captures energy or heat. The width and the height of the inner energy capturing layer is based on at least one parameter of the object or on parameter of the inner energy capturing layer or on one parameter of the energy capturing space or a combination thereof.

IPC 8 full level
B22D 11/124 (2006.01); **B22D 11/22** (2006.01); **C21D 9/00** (2006.01); **C21D 11/00** (2006.01); **F27D 17/00** (2006.01); **F28D 21/00** (2006.01); **F28F 13/18** (2006.01); **F28F 27/00** (2006.01)

CPC (source: EP)
F27D 21/0014 (2013.01); **F28D 21/0001** (2013.01); **F28F 13/18** (2013.01); **F28F 27/00** (2013.01); **F27D 2019/0006** (2013.01); **F28D 2021/0028** (2013.01); **F28D 2021/0078** (2013.01); **F28F 2245/06** (2013.01)

Citation (applicant)
• EP 2403668 A2 20120111 - SMS SIEMAG AG [DE]
• DE 3019714 A1 19811210 - MANNESMANN AG [DE]

Citation (search report)
• [IA] EP 2861771 A1 20150422 - G A P S P A [IT]
• [A] WO 2016178641 A1 20161110 - TOPAL ÖMER ALI [TR]
• [AD] DE 3019714 A1 19811210 - MANNESMANN AG [DE]
• [A] DE 102011107685 A1 20130117 - LUZ WERNER [DE]
• [A] JP S56131906 U 19811006
• [A] US 2011049773 A1 20110303 - KIEFER BRUCE V [US], et al
• [A] US 2018050406 A1 20180222 - AMMON JORG [DE], et al

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 3670027 A1 20200624

DOCDB simple family (application)
EP 18382964 A 20181220