

Title (en)
DEVICE FOR PHASE SEPARATING A MULTI-PHASE FLUID FLOW, STEAM TURBINE PLANT HAVING SUCH A DEVICE, AND ASSOCIATED OPERATING METHOD

Title (de)
VORRICHTUNG ZUR PHASENSEPARATION EINES MEHRPHASEN-FLUIDSTROMS, DAMPFTURBINENANLAGE MIT EINER DERARTIGEN VORRICHTUNG UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)
DISPOSITIF DE SÉPARATION DE PHASES D'UN FLUX FLUIDIQUE MULTIPHASE, INSTALLATION DE TURBINES À VAPEUR POURVUE D'UN TEL DISPOSITIF ET PROCÉDÉ DE FONCTIONNEMENT ASSOCIÉ

Publication
EP 2414730 B1 20130508 (DE)

Application
EP 10713120 A 20100308

Priority
• EP 2010001436 W 20100308
• DE 102009015260 A 20090401

Abstract (en)
[origin: WO2010112123A2] The invention relates to a device for phase separating a multi-phase fluid flow, having a housing (2) designed substantially rotationally symmetrically about a center axis (M) and enclosing a hollow space (3), having at least one infeed line (6) for the fluid flow designed for inflow of the fluid flow directed substantially tangentially to the interior (11) of the housing, and having at least one outlet line (24) for the separated gaseous portion of the fluid flow, wherein said device heats the gaseous portion of the fluid flow, such as steam, and requires little material and space. To this end, heating elements designed for heating the gaseous portion are disposed in the hollow space (3) in an annular chamber (14) placed concentrically about the center axis (M).

IPC 8 full level
F22B 37/32 (2006.01); **B04C 3/04** (2006.01); **B04C 3/06** (2006.01); **B04C 5/00** (2006.01); **F22B 37/26** (2006.01)

CPC (source: EP US)
B04C 3/04 (2013.01 - EP US); **B04C 3/06** (2013.01 - EP US); **F22B 37/266** (2013.01 - EP US); **F22B 37/32** (2013.01 - EP US); **F22B 37/327** (2013.01 - EP US)

Cited by
RU2764349C1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010112123 A2 20101007; **WO 2010112123 A3 20111208**; CN 102378877 A 20120314; CN 102378877 B 20131127; DE 102009015260 A1 20101230; DE 102009015260 B4 20130214; EP 2414730 A2 20120208; EP 2414730 B1 20130508; JP 2012522956 A 20120927; JP 5584281 B2 20140903; US 2012023944 A1 20120202

DOCDB simple family (application)
EP 2010001436 W 20100308; CN 201080014987 A 20100308; DE 102009015260 A 20090401; EP 10713120 A 20100308; JP 2012502480 A 20100308; US 201013262713 A 20100308