

Title (en)

HEAT RECOVERY ON STEEL SLAG

Title (de)

WÄRMERÜCKGEWINNUNG AUS STAHLSCHLACKE

Title (fr)

RÉCUPÉRATION DE CHALEUR SUR DES SCORIES D'ACIER

Publication

EP 4363622 A1 20240508 (EN)

Application

EP 22734580 A 20220617

Priority

- EP 21182919 A 20210630
- EP 21199716 A 20210929
- EP 2022066563 W 20220617

Abstract (en)

[origin: WO2023274754A1] An industrial installation (1) for waste radiative heat recovery from steel slag, said installation (1) being located above a pit (2) in which molten steel slag is discharged and from which solidified steel slag is removed, using a slag conveying machine or vehicle. This installation includes : - an evaporating device (3) for producing hot water and steam and auxiliary equipment, said evaporating device comprising a heat exchanger (6) under the form of tube-cooled walls; - a steel structure (4) supporting said evaporating device; characterized in that the installation further comprises a lifting system using jacks (5), so that the heat exchanger (6) under the form of tube-cooled walls can be moved vertically from an upper standby position to a lower working position and vice versa. The link between fixed and moving water circuits is performed thanks to flexible hoses.

IPC 8 full level

C21B 3/08 (2006.01); **C22B 7/04** (2006.01)

CPC (source: EP)

C21B 3/08 (2013.01); **C22B 7/04** (2013.01); **C21B 2400/022** (2018.08); **C21B 2400/07** (2018.08); **C21B 2400/08** (2018.08)

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 2023274754 A1 20230105; CA 3225178 A1 20230105; EP 4363622 A1 20240508

DOCDB simple family (application)

EP 2022066563 W 20220617; CA 3225178 A 20220617; EP 22734580 A 20220617