

Title (en)
SYSTEM AND METHOD FOR RECOVERING ENERGY

Title (de)
SYSTEM UND VERFAHREN ZUR RÜCKGEWINNUNG VON ENERGIE

Title (fr)
SYSTÈME ET PROCÉDÉ DE RÉCUPÉRATION D'ÉNERGIE

Publication
EP 2440689 B1 20171129 (FR)

Application
EP 10734229 A 20100604

Priority
• FR 2010051100 W 20100604
• FR 0953834 A 20090610

Abstract (en)
[origin: WO2010142893A1] The invention relates to a system (22) for recovering the energy released by at least one electrolysis tank (2), wherein the recovery system comprises a first heat exchange loop (28) through which a coolant flows, the first loop (26) including: a heat exchanger (36) through which the coolant flows; and a recovery unit (38) capable of recovering the heat of the coolant having passed through the heat exchanger (36); a primary collecting circuit (24) capable of collecting at least a portion of the fumes and gases generated by the electrolysis tank (2), the heat exchanger (36) being arranged outside and spaced apart from the electrolysis tank (2); wherein the fumes and gases collected by the primary circuit (24) pass through the heat exchanger (36) for heating the coolant.

IPC 8 full level
C25C 3/22 (2006.01)

CPC (source: EP)
C25C 3/22 (2013.01)

Citation (examination)
• US 4222841 A 19800916 - MILLER JOHN J
• FR 2455093 A1 19801121 - PECHINEY ALUMINIUM

Cited by
WO2020182776A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010142893 A1 20101216; CA 2764724 A1 20101216; CA 2764724 C 20180327; EP 2440689 A1 20120418; EP 2440689 B1 20171129; FR 2946666 A1 20101217; FR 2946666 B1 20150807; NO 2440689 T3 20180428

DOCDB simple family (application)
FR 2010051100 W 20100604; CA 2764724 A 20100604; EP 10734229 A 20100604; FR 0953834 A 20090610; NO 10734229 A 20100604