

Title (en)
DEBRIS DETECTION SYSTEM

Title (de)
VERUNREINIGUNGSDETEKTIONSSYSTEM

Title (fr)
SYSTEME DE DETECTION DE DEBRIS

Publication
EP 4065284 A1 20221005 (FR)

Application
EP 20803208 A 20201112

Priority
• BE 201905850 A 20191129
• BE 202005204 A 20200330
• EP 2020081945 W 20201112

Abstract (en)
[origin: WO2021104892A1] System (45) for detecting ferromagnetic debris in an oil stream (F1, F2), the system comprising a passage (50) through which the stream (F1, F2) is intended to flow and a module (60) for detecting the ferromagnetic debris present in the stream (F1, F2), the detection module (60) comprising: a permanent magnet (66); and a coil (72) suitable for detecting the magnetic field (68) generated by the magnet; characterised in that the detection module (60) is arranged in the passage (50) and the detection module (60) further comprises a casing (62) which is sealed off from the stream (F1, F2) and in which the magnet (66) and the coil (72) are confined.

IPC 8 full level
B03C 1/033 (2006.01); **B03C 1/28** (2006.01); **G01N 15/06** (2006.01); **G01N 27/83** (2006.01)

CPC (source: EP)
B03C 1/0332 (2013.01); **B03C 1/282** (2013.01); **B03C 1/286** (2013.01); **G01N 15/02** (2013.01); **G01N 15/0656** (2013.01); **G01N 27/83** (2013.01); **G01N 33/2858** (2013.01); **B03C 2201/18** (2013.01); **B03C 2201/22** (2013.01); **B03C 2201/24** (2013.01); **B03C 2201/30** (2013.01); **G01N 2015/0053** (2013.01)

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)
WO 2021104892 A1 20210603; EP 4065284 A1 20221005

DOCDB simple family (application)
EP 2020081945 W 20201112; EP 20803208 A 20201112