

Title (en)
INTEGRATED UNIT FOR USE IN PUMP STATION

Title (de)
INTEGRIERTE EINHEIT ZUR VERWENDUNG IN EINER PUMPSTATION

Title (fr)
UNITÉ INTÉGRÉE DESTINÉE À ÊTRE UTILISÉE DANS UNE STATION DE POMPAGE

Publication
EP 3140543 A2 20170315 (EN)

Application
EP 15725396 A 20150423

Priority
• GB 201407154 A 20140423
• GB 2015051196 W 20150423

Abstract (en)
[origin: WO2015162427A2] An integrated unit for use in a pump station. The integrated unit comprises a connector for connection to a power supply, a motor arranged to provide mechanical drive to an output shaft for coupling to a pumping unit associated with the pump station, a motor controller arranged to supply the motor with power from the connector to thereby control the motor, and an interface for a pump station system controller arranged to interface with the motor controller to match the mechanical drive supplied to the output shaft by the motor to demand. The integrated unit station comprises a housing with an exterior wall portion that is removable, and to which comprises a cooling system for an electronic component. An automatically engaging coupling is arranged to automatically disconnect the electrical connection to the electronic component on removal of the exterior wall portion.

IPC 8 full level
F04B 17/03 (2006.01); **F04B 49/06** (2006.01); **F04B 53/08** (2006.01); **F04B 53/16** (2006.01)

CPC (source: CN EP)
F04B 17/03 (2013.01 - CN EP); **F04B 49/06** (2013.01 - CN EP); **F04B 49/065** (2013.01 - CN EP); **F04B 53/08** (2013.01 - CN EP); **F04B 53/16** (2013.01 - CN EP); **F04B 2201/0403** (2013.01 - CN EP); **F04B 2203/0205** (2013.01 - CN EP)

Citation (search report)
See references of WO 2015162427A2

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 2015162427 A2 20151029; WO 2015162427 A3 20160121; AU 2015250633 A1 20161124; AU 2015250633 B2 20181108; AU 2015250634 A1 20161124; AU 2015250634 B2 20181115; AU 2015250635 A1 20161124; AU 2015250635 B2 20181122; CN 106232988 A 20161214; CN 106232988 B 20190430; CN 106255826 A 20161221; CN 106255826 B 20191119; CN 106460812 A 20170222; CN 106460812 B 20200306; EP 3140543 A2 20170315; EP 3140543 B1 20211117; EP 3140544 A2 20170315; EP 3140544 B1 20210310; EP 3140545 A2 20170315; EP 3140545 B1 20210310; GB 201407154 D0 20140604; PL 3140543 T3 20220221; PL 3140544 T3 20211213; PL 3140545 T3 20210906; WO 2015162428 A2 20151029; WO 2015162428 A3 20160107; WO 2015162429 A2 20151029; WO 2015162429 A3 20160121

DOCDB simple family (application)
GB 2015051196 W 20150423; AU 2015250633 A 20150423; AU 2015250634 A 20150423; AU 2015250635 A 20150423; CN 201580021899 A 20150423; CN 201580021980 A 20150423; CN 201580021981 A 20150423; EP 15725396 A 20150423; EP 15725397 A 20150423; EP 15725398 A 20150423; GB 201407154 A 20140423; GB 2015051197 W 20150423; GB 2015051198 W 20150423; PL 15725396 T 20150423; PL 15725397 T 20150423; PL 15725398 T 20150423