

Title (en)

Feed pump dry run detection

Title (de)

Trockenlauferkennung einer Förderpumpe

Title (fr)

Détection de fonctionnement à sec de pompe d'alimentation

Publication

EP 2743509 B1 20150701 (DE)

Application

EP 12196489 A 20121211

Priority

EP 12196489 A 20121211

Abstract (en)

[origin: EP2743509A1] The method involves using speed detection sensor for monitoring unlubricated operation of feed pump. An electric drive motor is allowed to run out to defined end state starting from known initial state. The number of revolutions of motor rotor is detected and compared with predefined threshold value, while the speed detection sensor is configured to detect leakage defined final state in the electric drive motor. The unlubricated operation of feed pump is closed, while the predefined threshold value is exceeded.

IPC 8 full level

F04D 15/00 (2006.01); **F04D 15/02** (2006.01)

CPC (source: EP)

F04D 15/0088 (2013.01); **F04D 15/0218** (2013.01); **F04D 15/0254** (2013.01)

Cited by

DE102014104894B4; DE102014008716A1; EP3232066A1; DE102014008716B4

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

DOCDB simple family (publication)

EP 2743509 A1 20140618; EP 2743509 B1 20150701

DOCDB simple family (application)

EP 12196489 A 20121211