

Title (en)  
DIGITAL FILTER WITH CONFIDENCE INPUT

Title (de)  
DIGITALES FILTER MIT KONFIDENZEINGABE

Title (fr)  
FILTRE NUMÉRIQUE À ENTRÉE DE CONFIANCE

Publication  
**EP 3488524 A1 20190529 (EN)**

Application  
**EP 17745153 A 20170718**

Priority  
• US 201615215930 A 20160721  
• EP 2017068172 W 20170718

Abstract (en)  
[origin: WO2018015412A1] A digital filter has an assigned filter function with assigned filter coefficients (bk), an input receiving input samples (xk), another input receiving confidence values (ck), and an output (out). Each input sample value (xk) is associated with an input confidence value (ck), wherein the filter output (out) depends on the input samples, the input confidence values as well as the filter coefficients. The filter contains multiple accumulators (acc01, acc02, acc03, acc04), wherein an output sample is produced after a predetermined number of sample values with associated confidence values have been input to the filter.

IPC 8 full level  
**H03H 17/06** (2006.01)

CPC (source: EP KR)  
**H03H 17/06** (2013.01 - EP KR); **H03H 21/0043** (2013.01 - KR); **H03H 21/0067** (2013.01 - KR)

Citation (search report)  
See references of WO 2018015412A1

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 2018015412 A1 20180125**; CN 108702143 A 20181023; CN 108702143 B 20230801; EP 3488524 A1 20190529; JP 2019525502 A 20190905; JP 6913099 B2 20210804; KR 102431556 B1 20220811; KR 20190031429 A 20190326; TW 201806316 A 20180216; TW I721194 B 20210311

DOCDB simple family (application)  
**EP 2017068172 W 20170718**; CN 201780013208 A 20170718; EP 17745153 A 20170718; JP 2018540147 A 20170718; KR 20187024996 A 20170718; TW 106124396 A 20170720