

Title (en)
HIGH-ORDER INTERPOLATOR

Title (de)
INTERPOLATOR MIT HOHER ORDNUNG

Title (fr)
INTERPOLATEUR A RANG ELEVE

Publication
EP 3878098 A1 20210915 (FR)

Application
EP 19794584 A 20191031

Priority
• FR 1801161 A 20181106
• EP 2019079906 W 20191031

Abstract (en)
[origin: WO2020094506A1] Interpolator for interpolating, by a ratio n , the sampling frequency of a signal, called the input signal, the interpolator being characterised in that it comprises: - a first interpolation stage (101) comprising an over-sampler configured to over-sample the input signal by a ratio n_1 , with n_1 being a sub-multiple of n , and a filter for filtering the over-sampled signal; and - a second interpolation stage (102) comprising a linear interpolator configured to interpolate, by a ratio n_2 , the signal originating from the first interpolation stage, with n_2 being a sub-multiple of n ; and - a third interpolation stage (103) comprising a blocking interpolator configured to interpolate, by a ratio n_3 , the signal originating from the second interpolation stage, with n_3 being a sub-multiple of n . Associated interpolation method and method for dimensioning a high-order interpolator.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2020094506A1

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Designated extension state (EPC)
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