Abstract (en)
[origin: EP3734592A1] A musical sound effect adding device (5) includes: a periodic signal generator (52) configured to generate a periodic signal synchronized with an n-beat or 1/n-beat (n: integer) cycle of a musical sound signal of music piece data; a plurality of loop circuits (LP1-LP4) each including a delay unit (53) configured to delay the musical sound signal of the music piece data to be synchronized with the periodic signal generated by the periodic signal generator (52); and a shift phase section (52) configured to shift, for the delay unit (53) of each of the loop circuits (LP1-LP4), a phase of the musical sound signal to be circulated through each of the loop circuits (LP1-LP4) to a phase different between the loop circuits.

IPC 8 full level
G10H 1/043 (2006.01); G10H 1/00 (2006.01); G10H 1/12 (2006.01); G10H 1/42 (2006.01)

CPC (source: EP)
G10H 1/0091 (2013.01); G10H 1/043 (2013.01); G10H 1/12 (2013.01); G10H 1/42 (2013.01); G10H 2210/235 (2013.01); G10H 2250/051 (2013.01); G10H 2250/061 (2013.01)

Citation (search report)
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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 3734592 A1 20201104; EP 3734592 A4 20210714; EP 3734592 B1 20230510; JP 7028896 B2 20220302; JP WO2019130593 A1 20201210; WO 2019130593 A1 20190704

DOCDB simple family (application)
EP 17936929 A 20171229; JP 2017047404 W 20171229; JP 2019562713 A 20171229