

Title (en)
ACOUSTIC SYSTEM WITH SPATIAL EFFECT

Title (de)
AKUSTISCHES SYSTEM MIT RÄUMLICHEM EFFEKT

Title (fr)
SYSTÈME ACOUSTIQUE À EFFET SPATIAL

Publication
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Application
EP 19783045 A 20191009

Priority
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Abstract (en)
[origin: WO2020074553A1] Acoustic system (1) for diffusing sound from $\langle u \rangle N \langle /u \rangle$ channels (Si) comprising audio frequencies, $\langle u \rangle N \langle /u \rangle$ being greater than or equal to two, the acoustic system comprising a frame (5), $\langle u \rangle M \langle /u \rangle$ loudspeakers (HPj) which are similar to each other and mounted on the frame (5), and a processing unit (20) designed to send $\langle u \rangle M \langle /u \rangle$ loudspeaker signals (SSi) to the loudspeakers, respectively. The loudspeakers are arranged at an angle about an axis (Z), two consecutive loudspeakers forming an angle (a) substantially equal to 360° divided by $\langle u \rangle M \langle /u \rangle$. The processing unit (20) comprises a splitter (28) configured to produce the loudspeaker signals (SSi), each loudspeaker signal comprising the same shared bass component (SSLF), in which audio frequencies that are higher than a first predetermined frequency (f1) are non-existent or reduced, at least two of the loudspeaker signals further comprising a specific component (SSj MF) in addition to the shared bass component. In said specific component, audio frequencies lower than the first frequency are non-existent or reduced, each specific component being obtained from at least one of the channels, and at least two of the specific components being different from each other.

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