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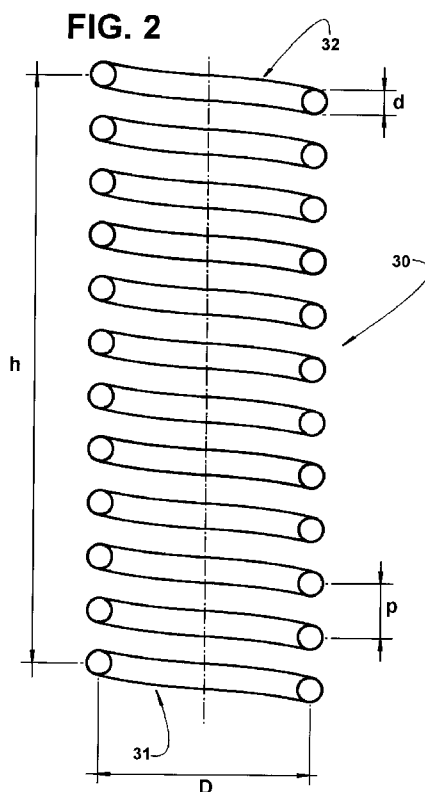
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(54) Title: SUSPENSION SPRING FOR A REFRIGERATION COMPRESSOR



(57) Abstract: SUSPENSION SPRING FOR A REFRIGERATION COMPRESSOR of the type which comprises a shell (10) and a block (21), forming, with the stator (22) of an electric motor, a stationary assembly (20) which is mounted in the interior of the shell (10) by means of an assembly of helical springs (30). The helical spring (30) presents, for a predetermined dimensional range of one of the spring parameters defined by the spring average diameter (D), the pitch (p) of its coils, the spring wire diameter (d) and the active height (h), a ratio between at least two of each pair of the other three parameters, defined to provide, to said helical suspension spring 30, for a desired frequency band, a stiffness corresponding, at minimum, to that of structural reliability of the suspension, and an attenuation in its acoustic transmissibility, in relation to the springs dimensioned only as a function of their suspension structural requirements for a desired frequency band.



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