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Abstract

A very compact interference frequency generator (11) which emits with an extremely wide band width and extremely powerfully is afforded by the combination of a mechanical pulse generator (25) with two piezoelectric pillars (13) which are disposed axially in succession and which can be axially acted upon by the pulse generator (25) and which are electrically connected in series in opposite relationship and which are electrically conductively connected with their mutually remote ends (18) to electrodes (34) which extend parallel to the piezoelectric pillars (13) to an electrically conductive coupling portion (15) between the piezoelectric pillars (13) where they end as electrodes (36) of an axial spark gap and at the same time spark gaps (37) which are oriented inclinedly radially towards the coupling portion (15).

(Drawing)



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