

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ  
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ  
КАФЕДРИ ІНОЗЕМНИХ МОВ

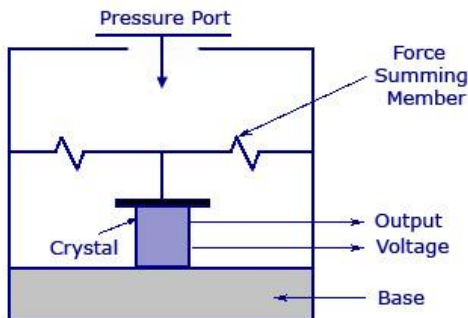
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## POWER OF SOUND WAVES

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Have you ever thought about what that energy can be produced out of thin air. Street noise source generously. The energy of such noise can reach such an extent that can be used as an alternative energy source. Scientists, University of London Queen Mary (Queen Mary University of London), together with Nokia developed a prototype smartphone that is capable of charging using sound waves. Employment of this ustroysta based on the piezoelectric effect. Crystal strain in capable of internally at one end to create a potential difference that is current. Scientists have taken advantage of this and as a subject of deformation were sound waves, their amplitude and energy is sufficient to highlight the voltage for charging the phone and phone devices. This idea can be useful for producers and consumers of smartphones, whose autonomy is literally infinite



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