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<p>(51) International classification :A61B0005352000, G01N0029040000, H03H0009020000, G01N0029440000, G01H0009000000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)SANDEEP M.N.</b> Address of Applicant :VAISHNAVAM, PAMBOOR, KUTTUR P O, THRISSUR, KERALA, PIN 680013, INDIA THRISSUR -----</p> <p><b>2)BEENA K.S.</b> <b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)SANDEEP M.N.</b> Address of Applicant :VAISHNAVAM, PAMBOOR, KUTTUR P O, THRISSUR, KERALA, PIN 680013, INDIA THRISSUR -----</p> <p><b>2)BEENA K.S.</b> Address of Applicant :NO 21/519F, DEVADATHAM, MANNOPPILLY NAGAR, COCHIN UNIVERSITY P.O., THRIKKAKARA, NORTH, ERNAKULAM, KOCHI UNIVERSITY, KERALA, PIN 682022, INDIA ERNAKULAM - -----</p>
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(57) Abstract :

The invention relates to a method for determination of Rayleigh wave (R-Wave) velocity of granular materials comprising the steps of providing a granular medium (3), placing sensors (5) at different locations on the surface of the granular medium (2) for detecting vibration in a vertical direction during wave propagation; inducing vibrations in the granular medium (2), identifying the time of arrival of the Rayleigh wave at the sensor (5) locations as peak positive particle vibration in time domain; evaluating the time delay in arrival time of Rayleigh waves using time delay measurement system to determine the R-wave velocity in granular material (3).

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