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		(71)Nome of Applicant.
		(/1)Name of Applicant :
		Address of Applicant (CHITEADA LINIVEDSITY, CHANDICADI)
		Address of Applicant CHITKAKA UNIVERSITY, CHANDIGARD
		DUNIAD 140401 INDIA DAIDUDA
		PUNJAD - 140401, INDIA KAJPUKA
		2)CHIIKAKA INNOVATION INCUBATOR FOUNDATION
		Name of Applicant : NA
		Address of Applicant : NA
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	:G08G0001160000, B60W0030090000,	1) HAKSHII GUPIA
	B60Q0001140000, G01S0015931000,	Address of Applicant : CHIIKAKA UNIVERSITY, CHANDIGAKH-
	G01S0015870000	PATIALA NATIONAL HIGHWAY, VILLAGE JHANSLA, KAJPUKA,
	-NT 4	2) DD MADUU ANE IA
		2)DR. MADHU ANEJA Address of Amilioant (CHITK AD A LINUVEDSITY, CHANDIC ADI)
	.INA	DATIALA NATIONAL HICHWAY VILLACE HANSLA DAIDUDA
	· N A	DUNIAD 140401 INDIA DAIDUDA
	. NA	2)DD DENILDALA
	·NA	Address of Applicant (CHITKADA LINIVEDSITY, CHANDIGADH
	NA NA	PATIALA NATIONAL HIGHWAY VILLAGE HANSLA PAIPUPA
	.1\A	PUNIAR - 140401 INDIA RAIPURA
	٠NΔ	ADB TANIA BOSE
	·NA	Address of Applicant CHITKARA UNIVERSITY CHANDIGARH.
	.1 17 1	PATIAL A NATIONAL HIGHWAY VILLAGE IHANSI A RAIPURA
		PUNIAR - 140401 INDIA RAIPURA
		5)DR MANOJ GAUR
		Address of Applicant CHITKARA UNIVERSITY CHANDIGARH-
		PATIALA NATIONAL HIGHWAY VILLAGE IHANSLA RAIPURA
		PUNJAB - 140401. INDIA RAJPURA
		6)DR. ISHA KANSAL
		Address of Applicant :CHITKARA UNIVERSITY, CHANDIGARH-
		PATIALA NATIONAL HIGHWAY, VILLAGE JHANSLA, RAJPURA,
		PUNJAB - 140401, INDIA RAJPURA

(57) Abstract :

ABSTRACT An indicator system (100) for enhancing road safety is disclosed. The system comprises a plurality of ultrasonic sensors (102) positioned at blind cuts, configured to emit ultrasonic waves. Upon reflection off an approaching vehicle, said ultrasonic waves are received by said ultrasonic sensors (102). The time of flight (TOF), representing the duration taken for the emitted waves to bounce back, is measured to determine the presence of an oncoming vehicle by ascertaining the proximity and velocity of such vehicle. A microcontroller (104), operatively connected to said plurality of ultrasonic sensors (102), is configured to process the data received from said ultrasonic sensors (102) to determine the traffic situation based on the proximity and velocity of the oncoming vehicle. Furthermore, a plurality of lights, operatively connected to said microcontroller (104), is provided. Based on the determination made by said microcontroller (104), one light is activated to alert drivers of the oncoming vehicle is detected, otherwise, another light is activated to indicate the absence of an oncoming vehicle.

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