

Patent #	Patent Description (as in Biz-Plan & other Documents)	Requirement	Application
1	Eye-Tracker: mere eye movement towards a brighter or darker area will suffice to keep the illumination constant (migraine, sports, etc.) — and in the case of AR, the contrast/readability is always constant!	DAYLIGHT	CIVIL ALL DAYLIGHT SPORTS & MIGRAINE & proximal AR
2	Displays/instruments (tablets, AR, cockpit instruments, dashboard) become readable against the sun.	at NIGHT or AGAINST SUN (Display required)	CIVIL distal AR / HUD / Cockpits /
3	Own light measurement method for the SNR (wanted/unwanted light) to be protected from channel 1.	at NIGHT or AGAINST SUN (LED Lamp required)	CIVIL Car/Truck Driving, Rescue Teams,
4	Secret coding for the position of open timeslots to reduce crosstalk, better than randomization.	at NIGHT or AGAINST SUN (LED Lamp required)	CIVIL When more than 1 System = Team Applications
5	LASER dazzler with PPE: protection from own light (friendly fire protection), whilst seeing on channel 1.	at NIGHT or AGAINST SUN (LED Lamp required)	MIL
6	Secret and invisible colour designation of objects (targets or pixels): for silent team communication, or for seeing different content on the same display screen.	at NIGHT or AGAINST SUN (LED Lamp required)	MIL
7	3D perception enhancement: of distant objects, which appear normally as 2D due to their long distance.	at NIGHT or AGAINST SUN (LED Lamp required) also Dusk/Dawn — possibly under some sunlight	MIL + CIVIL (Car/Truck Drivers)
8	LIDAR principle applied to the AGS system, to avoid glare from near field scattering from particles	at NIGHT or AGAINST SUN (LED Lamp required)	MIL + CIVIL (Car/Truck Drivers)

Further patent descriptions:

Explanations of the abbreviations used in the table above:

Further information re patents and their applications:	DAYLIGHT usually means sunlight , but any disturbing lightsource (lamps) can be meant.	CIVIL appl can include pilots, bus drivers , and other industries - here simply summarised as CIVIL .
Patent Owner/Assignee: INOPTec Ltd. Germany Inventor: Ralf G.J. Knoll 8 Patents in ca. 10 countries ~ 80 Patents (or less, if not all prolonged) Example links are below (WO, US, Patent Owner INO, Value accumulated in KNOLL Capital Group Ltd.)	AGAINST SUN = usually means, that the user is looking into a deep standing sun (sun rise/set) or that sunlight gets reflected on displays or shines through AR/HUD displays — but in any case it is a disturbing light source , incl bright fire, oncoming traffic, glare from LASER pointers, torches, light from partners (friendly fire/glare) etc.	For easier readability, all non-MIL applications, like Public Safety (PS), Law Enforcement (LE), Fire & Rescue (FR), Emergency Medical Services (EMS) - and finally pure Military (MIL) applications were summarised under the umbrella abbreviation MIL . Instead of always writing MIL/PS/LE/FR/EMS.

WO Pat: <https://patents.google.com/patent/WO2015181340A1/en>US Pat: <https://patents.google.com/patent/US20170199396A1/en>INO Web: <https://inoptec.com/>KCG Web: <https://knollcapitalgroup.com/downloads/>