


The world's first solar-powered charging analog quartz watch

Registration No.	Number 00268		
Registration Date	September 10, 2019	Registration Category	Category 1

Name (Model, etc.)	Solar Analog Quartz Watch CITIZEN QUARTZ CRYSTRON SOLAR CELL (Cal. 8629-7J)
Location	Nishitokyo-shi, Tokyo
	Citizen Watch Co., Ltd.
Owner (Custodian)	Citizen Watch Co., Ltd.
Manufacturer (Company)	Citizen Watch Co., Ltd.
Year Manufactured	1976
Year first appeared	1974
Reason For Selection	In the era of the oil shock when awareness of resource conservation and energy efficiency increased, the company was early in focusing on photovoltaics and first produced a prototype of the first photovoltaic watch with a solar panel in 1974. After further improvements, it became a product two years later. Eight panels of monocrystalline silicon solar cells are used. After a full charge, it would last for five years under ordinary usage and would continue working even it was exposed to no light at all for the first two years. It met with great response in the Germany, where intense efforts were being made on ecological issues. It is valuable as the pioneering model of the solar-powered watch.
Registration Standard	1-B (Show a uniquely Japanese scientific or technological development from an international perspective.)

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