



U.S. Patent Listing

Below is a list of NTN products protected by patents in the U.S. and elsewhere. Please note that other patents may be pending and the list may not be exhaustive.

	Component	Patent Number	Patent Name	Link
CVJ	Fixed CVJ	6386983	Constant velocity joint having eight torque transmitting balls	http://1.usa.gov/1M8FyYL
		6135891	Constant velocity universal joint	http://1.usa.gov/1PAj435
CVJ	DOJ	5913633	Arrangement for joining outer ring and shaft of homokinetic joint	http://1.usa.gov/1Ro4Z6i
		5853328	Power transmission device and constant velocity universal joint therefor	http://1.usa.gov/1Ro4Zn3
		6299543	Plunging type constant velocity joint	http://1.usa.gov/1GibZla
CVJ	PTJ	6475092	Constant velocity universal joint	http://1.usa.gov/1LLwiHH
		6764407	Constant velocity joint	http://1.usa.gov/1ZXy1A1
		2005014565	Constant velocity universal joint	http://1.usa.gov/1PGAslY
		2005059497	Constant velocity universal joint	http://1.usa.gov/1M6S2tn
CVJ	ETJ	2005026705	Tripod constant velocity universal joint	http://1.usa.gov/1PGAuu7
		8613556	Bearing protection system	http://1.usa.gov/1ZXy7rn
CVJ	LJ	5967900	Cross-grove type constant velocity joint	http://1.usa.gov/1kqOex7
CVJ	Steering Joint	5855519	Ball fixed type constant velocity joint having low rotational backlash	http://1.usa.gov/1LnQ6zt
		6652385	Constant velocity universal joint	http://1.usa.gov/1LnQ5eV
		6488588	Constant velocity universal joint	http://1.usa.gov/1jTAjyY
CVJ	Boot Groove	6244967	Constant velocity joint with resin boot	http://1.usa.gov/1Kort1U
CVJ	Grease	5585336	Grease composition for tripod type constant velocity joint	http://1.usa.gov/1LELLWE



U.S. Patent Listing (cont.)

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	Component	Patent Number	Patent Name	Link
		5854183	Grease composition for constant-velocity joints	http://1.usa.gov/1jAUDWl
		5952273	Grease composition for constant velocity joints	http://1.usa.gov/1QTcCSu
		6258760	Grease composition for constant velocity joint	http://1.usa.gov/1PAjqU
		6319880	Grease composition for constant velocity joint	http://1.usa.gov/1kqOo7l
		6355602	Grease composition for constant velocity joint	http://1.usa.gov/1NnJiT7
Bearing	Hub	6280336	Compact axle hub unit	http://1.usa.gov/1KorxhU
		6357925	Automotive wheel bearing assembly and method for manufacturing the same	http://1.usa.gov/1NU7srq