Table 1. List of uses identified for rhenium materials by 7 October 2009

	Use	Contribution of Re component	Resulting application(s)
1	Alloying agent (with Molybdenum)	> Increases ductility > Superconductor at low temperature (10 K)	Used in electronics industry Used in space industry Used in nuclear industry
2	Alloying agent (with Nickel)	> Raises operating temperature	Used in high temperature superalloys for jet engine components such as: > aircraft turbine blades > gas turbine engines > temperature controls > heating elements > small rocket thrusters
3	Alloying agent (with Tungsten)	> Increases ductility > Raises operating temperature	> Used in electronics > Used in thermocouples > Used in heating elements > Used in temperature controls > Used in thermistors
4	Catalyst agent (with Platinum)	> Resistant to poisoning from nitrogen, sulphur, and phosphorus	> Used in hydrogenation of fine chemicals > Used in hydrocracking, reforming, and the disproportionation of alkenes to produce high-octane unleaded gasoline
5	Electrical contact material	> High electrical resistance > Low vapour pressure > Withstands arc corrosion	> Used in metallic coatings > Used in semiconductors > Used in electromagnets, electron (vacuum and X-ray) tubes and targets > Used in filaments and wire in mass spectrographs, ion gauges and in flash lamps or flashbulbs for photography
6	Intermediate to produce another substance	As ingredient of specific reaction	> Used in manufacturing industry
7	Medical application		> In radioactive form, used in prevention and treatment of restenosis > Used in treatment of liver tumour