

1	DESTRUCTION OR CONTAINMENT OF RADIOACTIVE WASTE	304	..Sonic energy (EPO/JPO)
2	.By fixation in stable solid media	305	..Particle radiation, e.g., electron beam radiation (EPO/JPO)
3	..Cement, concrete, or hydraulic setting	306	..Electromagnetic radiation, e.g., laser (EPO/ JPO)
4	...With additional solid material to enhance fixation of radioactivity	307	...Gamma rays (about 0.003nm-0.03nm) (EPO/JPO)
5	..Bituminous	308	...X-rays (about 0.03mn-3nm) (EPO/JPO)
6	..Resin or polymer; e.g., cellulose, polyethylene	309	...Ultraviolet radiations (about 3nm-400nm) (EPO/JPO)
7	...Ion exchange resin	310	...Microwave radiations (about 0.3cm-30cm) (EPO/JPO)
8	...Polymer derived from ethylenically unsaturated monomer	311	..Plasma (EPO/JPO)
9	..Clay or claylike	312	.By hydrolysis or destructive steam gasification, e.g., using water and heat or supercritical water, to effect chemical change (EPO/JPO)
10	..Ceramic or ceramiclike		
11	...Glass, glasslike, vitreous		
12	...Boron containing		
13	..Ion exchange material	313	.By reacting with chemical agents (EPO/JPO)
14	..Silicon containing		
15	..Metal containing	314	..By treatment in molten chemical reagent, e.g., salts or metals (EPO/JPO)
16	..Surrounding with specified material or structure		
17	..Geological or extraterrestrial	315	..By chemical fixing the harmful substance, e.g., by chelation or complexation (EPO/JPO)
18	..Chemical conversion to a stable solid for disposal		
19	..Incineration, calcination, pyrolyzing to obtain solid residue	316	..Dehalogenation using reactive chemical agents able to degrade (EPO/JPO)
20	..Treating radioactive liquid	317	..By hydrolysis (EPO/JPO)
299	GERM WARFARE AGENTS DESTROYED	318	..Detoxification by using acid or alkaline reagents (EPO/JPO)
300	PROCESSES FOR MAKING HARMFUL CHEMICAL SUBSTANCES HARMLESS, OR LESS HARMFUL, BY EFFECTING A CHEMICAL CHANGE IN THE SUBSTANCES (EPO/ JPO)	319	..By reduction, e.g., hydrogenation (EPO/JPO)
		320	..By oxidation; by combustion (EPO/JPO)
		321	..By heating to effect chemical change. e.g., pyrolysis (EPO/JPO)
		400	..Harmful chemical substances made harmless, or less harmful, by effecting chemical change (EPO/JPO)

Note: When classifying in subclasses 300-321, classification is also made in subclasses 400-415 to identify the hazardous substance.

301	.By subjecting to electric or wave energy or particle or ionizing radiation (EPO/ JPO)
302	..Electrochemical processes, e.g., electrodialysis (EPO/ JPO)
303	...Electrolytic degradation or conversion (EPO/JPO)

Note: Subclasses 401 through 404 form part of a multiple aspect schedule. Documents classified in one of these subclasses are normally also classified in subclasses 405 through 415 to identify the hazardous material.

- 401 ..Chemical warfare substances, e.g., cholinesterase inhibitor (EPO/JPO)
- 402 ..Pesticides, e.g., insecticides, herbicides, fungicides, nematocides (EPO/JPO)
- 403 ..Explosives, propellants or pyrotechnics, e.g., rocket fuel, napalm (EPO/JPO)
- 404 ..Toxic combustion residues, e.g., toxic substances contained in fly ash from waste incineration (EPO/JPO)
- 405 ..Organic substances (EPO/JPO)
- 406 ...Containing halogen (EPO/JPO)
- 407 ...Containing heavy metals (EPO/JPO)
- 408 ...Containing nitrogen or phosphorus (EPO/JPO)
- 409 ...Containing oxygen, sulfur, selenium or tellurium, i.e., chalcogen (EPO/JPO)
- 410 ..Inorganic substances (EPO/JPO)
- 411 ...Inorganic fibers, e.g., asbestos (EPO/JPO)
- 412 ...Containing heavy metals, in the bonded or free state (EPO/JPO)
- 413 ...Containing nitrogen phosphorus (EPO/JPO)
- 414 ...Containing oxygen, sulfur, selenium or tellurium, i.e., chalcogen (EPO/JPO)
- 415 ...Containing halogen (EPO/JPO)
- 249 **CONTAINMENT**
- 249.5 .Chemical or germ warfare agents, or pathogenic organisms (e.g., sarin, VX, anthrax, virus, bacteria and medical waste, etc.)
- 250 .Geologic, marine, or extraterrestrial storage and containment (e.g., tectonic, volcanic, deep natural, manmade earth cavity, submarine placement sites, lunar, earth orbital, and solar placement, etc.)
- 251 .Treating a solid (e.g., clay, slag, spent sorbent, active carbon, etc.) to prevent gas emissions
- 252 .Solidification, vitrification, or cementation
- 253 ..In situ vitrification
- 254 ..Contains asbestos
- 255 ..Polymer or resin containing (e.g., foam, etc.)
- 256 ..Waste contains heavy metal (e.g., fly, ash, flue dust, and incinerator ash)
- 257 ...And confined in a cement type material (e.g., concrete)
- 259 .Secondary containment
- 260 .With sensing, detecting, or monitoring
- 261 **MISCELLANEOUS**
- CROSS-REFERENCE ART COLLECTIONS**
- 900 **APPARATUS**
- 901 **COMPOSITIONS**
- FOREIGN ART COLLECTIONS**
- FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**