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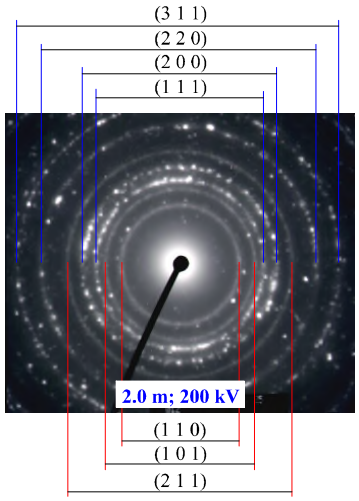
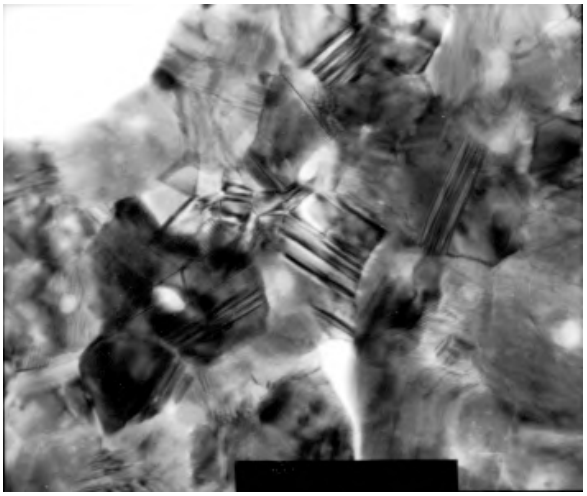
Ag-SnO_2
nanostructured Electrical Contact Material

data	particle size analysis			tap density	Fe content
sizes	d_{10}	d_{50}	d_{90}	[kg/dm^3]	[wt. %]
[µm]	0,48	0,76	11,20	1,18	< 0,02



TEM electron diffraction patterns of silver and tin oxide after 45 min in air



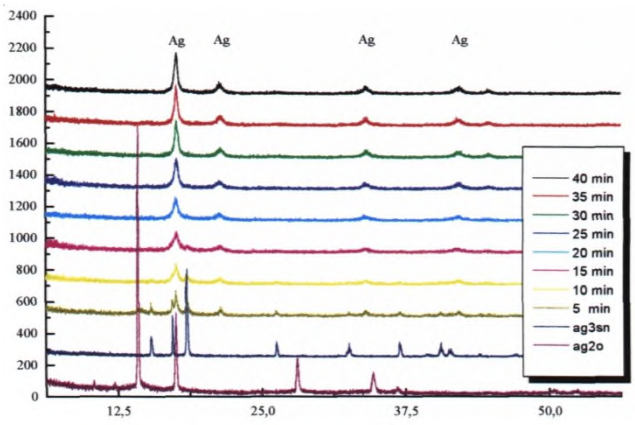
TEM-micrograph of SnO_2 grains in silver matrix, Simoloyer®, 25 min

Application

- contact material

Advantages

- low erosion both in make and break operations
- high extension of the electrical arc
- low welding force
- preventing high temperature which leads to a superficial layer of oxide on the top of the contact



X-ray diffraction patterns of starting and as-milled powder by using of Simoloyer® at 60°C in air

Packaging:

gal	liter	lb	kg
2	6	22	10
15	50	220	100

technical data subject to alterations