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(54) Title: PROCESS FOR THE MANUFACTURE OF SOLAR CELLS

(57) Abstract: Solar cells are manufactured from P-type doped monocrystalline or polycrystalline silicon ingots by sawing wafers and applying an N- type doping. The wafers can be improved by etching them, especially in a plasma assisted process, with fluo-
rine, carbonyl fluoride or NF₃. Hereby, the surface is roughened so that the degree of light reflexion is reduced, cracks caused
from the sawing operation are prevented from proliferation, and glass-like phosphorous-containing oxide coatings caused by
phosphorous doping are removed.



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