Claims:

1. A method for producing photocatalytically active clinker, ~~characterized in that~~wherein TiO_2-containing materials are reacted to calcium titanates, particularly $CaTiO_3$, with clinker raw meal or clinker raw mix, characterized in that dye sludge, waste dye, kiln ashes, synthetic materials and/or waste TiO_2 catalyst are used as TiO_2-containing materials.

2. A method according to claim 1, characterized in that the TiO_2-containing materials are charged into, and burned in, a rotary kiln together with the clinker raw mix.

3. A method according to claim 1, characterized in that the TiO_2-containing materials and the clinker raw mix are separately charged into the rotary kiln, and reacted and burned together in the rotary kiln.

4. A method according to claim 2 or 3, characterized in that the combustion occurs at temperatures above 1250°C, preferably at 1350°C, and in a particularly preferred manner at 1450°C.

5. A method according to any one of claims 1 to 4, characterized in that the TiO_2-containing materials are added to the clinker raw mix in amounts producing a TiO_2 content of 2% by weight to 5% by weight and, in particular, 3% by weight.

~~6. A method according to any one of claims 1 to 5, characterized in that waste substances such as dye sludge, waste dye, kiln ashes, synthetic materials and/or consumed TiO_2 catalyst are used as TiO_2-containing materials.~~

~~7~~6. A method according to any one of claims 1 to ~~5~~6, characterized in that a raw mix for calcium sulfoaluminate clinker is used as clinker raw mix.

~~8~~7. A method according to any one of claims 1 to ~~5~~6, characterized in that a raw mix for Portland cement clinker is used as clinker raw mix.

~~9. A photocatalytically active clinker, characterized in that the photocatalytically active phase comprises calcium titanates, particularly $CaTiO_3$.~~

~~10. A photocatalytically active clinker, characterized in that $CaTiO_3$ is contained in amounts of 2% by weight to 10% by weight and, in particular, in amounts of 6% by weight.~~