

Luminescent materials prepared by unconventional methods

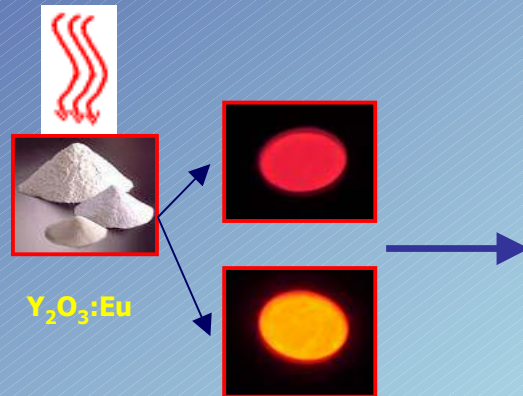
MATNANTECH project 220/ 2004-2006

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RESULTS

- Preparation by new synthesis routes of nano- and micro-powders of phosphors (type europium activated yttrium oxide phosphor - $Y_2O_3:Eu$)
- Red emitting photoluminescent pigment for discharge gas tubes-Product PFLM type YO
- Tehnology for the manufacture by un-conventional methods of the red emitting photoluminescent pigment
- *Romanian Patent Application -CBI 722/ 10.02.2006;*
- Papers

UV radiation



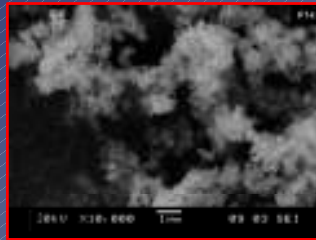
Synthesis and characterization of nano- and micro powders of the red-emitting phosphor, $Y_2O_3:Eu$ type



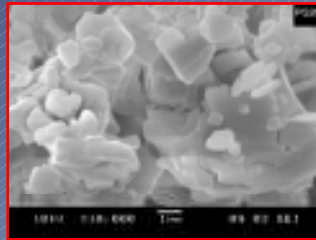
Oxalat de amoniu



Carbonat de amoniu

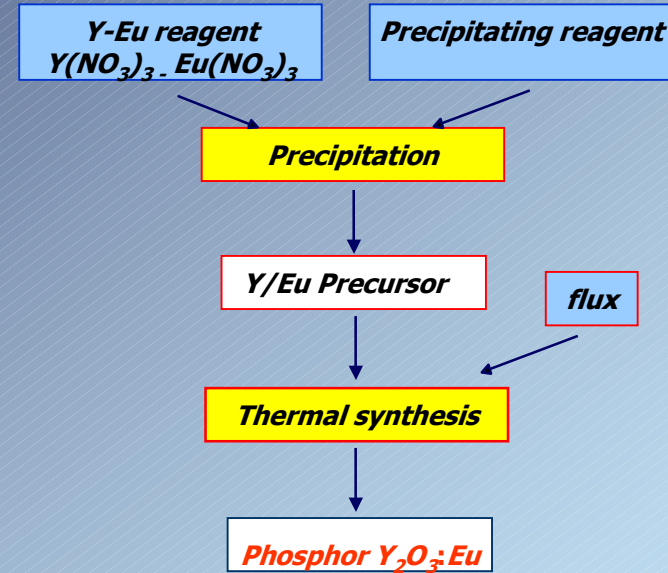


Uree



Acid oxalic

precursor



phosphor

