

Title (en)

METHOD AND APPARATUS FOR DEVELOPMENT OF TWO-COMPONENT DIAZOTYPE MATERIAL

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Application

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Priority

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Abstract (en)

[origin: US4319826A] Disclosed is a process for developing a two-component diazocopying material, comprising the steps of providing a film of an ammonia-steam mixture or of an aqueous ammonia solution, respectively, flowing uniformly into the interior of an evaporation zone and being uniformly heated at the same time to release a developing gas in the evaporation zone; providing a liquid developing solution in a sump zone; evaporating a portion of the developing solution to produce a developing gas in the evaporation zone located above the sump zone, passing the diazocopying material through a developing zone; introducing the developing gas from the evaporation zone into the developing zone and contacting the diazocopying material with the developing gas in the developing zone; maintaining the temperature in the developing zone at a level higher than the temperature at which the developing gas enters from the evaporation zone; and maintaining the temperature in the sump zone at a level higher than the temperature in the evaporation zone but not exceeding the temperature in the developing zone. Also disclosed is an apparatus for carrying out this process.

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