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(71) Applicant: **GENERAL ELECTRIC COMPANY**
[US/US]: 1 River Road, Schenectady, NY 12345 (US).

(72) Inventors: **RAJAMANI, Ravi**; 71 Bainard Road, West
Harford, CT 06117 (US). **HANAGANDI, Vijay, Kumar,**
M.; 602 Crestmont, Evansville, IN 47712 (US).

(74) Agents: **SNYDER, Bernard** et al.; General Electric Com-
pany, 3135 Easton Turnpike W3C, Fairfield, CT 06431
(US).

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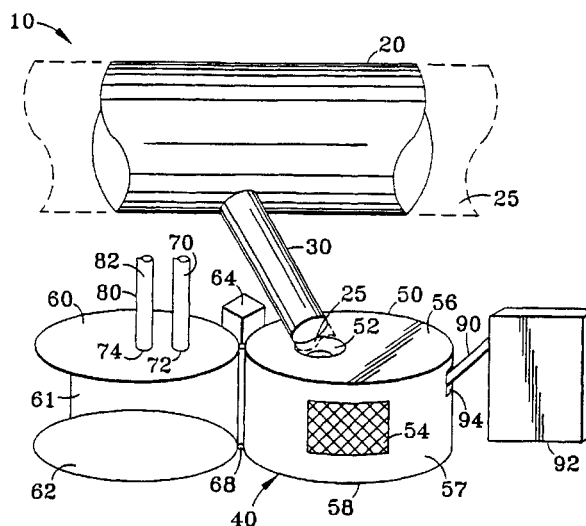
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(54) Title: ON-LINE COLOR MEASUREMENT SYSTEM FOR COOLED PRODUCT



(57) Abstract: An on-line color sensor (40) supplies light to a spectrophotometer (160) for color measurement of product (25) after cooling. The product (25) is extruded in a main extruder (20) having a bypass section (30). The on-line color sensor (40) includes an housing (50) having an interior portion (100). The housing (50) is positioned proximate to the bypass section (30) and is used to direct the product (25) from the bypass section (30) into the interior portion (100). A receptacle (110) that is connected to the housing (50) is positioned in the interior portion (100) of the housing (50) to hold the product (25) directed into the interior portion (100). The product (25) is allowed to cool while being held on the receptacle (110). A light source (170) is connected to the housing (50) and supplies light to the interior portion (100) of the housing (50). A light receiver (80) is connected to the housing (50) to capture the light from the light source (170) in the interior portion (100) that is affected by the cooled product (140). The captured light is supplied to the spectrophotometer (160) to measuring the color of the cooled product (140) in the interior portion (100) of the housing (50).