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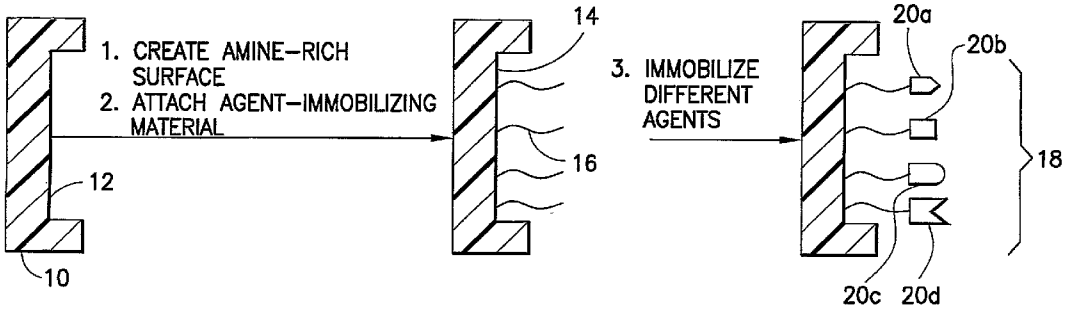
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(54) Title: HIGH THROUGHPUT METHOD TO IDENTIFY LIGANDS FOR CELL ATTACHMENT



(57) Abstract: A high througtput method is provided for identifying agents capable of producing a desired biological response in whole cells. The method includes the steps of providing receptacles having a culture surface; placing different mixtures of single agents into selective ones of the receptacles according to a statistical design; and immobilizing the mixtures of single agents to the culture surface. The method further includes contacting the immobilized agents with the whole cells; and acquiring data which is indicative of a desired biological response in the contacted cells. The method also includes using statistical modeling of the acquired data to determine which mixtures of single agents and/or which single agents in these mixtures are affective in producing the desired biological response in the contacted cells.

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