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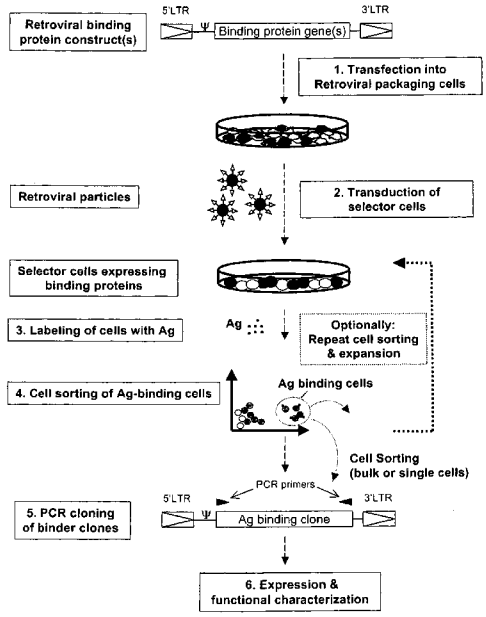
[Continued on next page]

(54) Title: IDENTIFICATION OF ANTIGEN- OR LIGAND-SPECIFIC BINDING PROTEINS

Fig. 1



(57) Abstract: The present invention discloses novel methods for the generation, expression and screening of diverse collections of binding proteins such as antibodies or fragments thereof in vertebrate host cells *in vitro*, for the identification and isolation of ligand- or antigen-specific binding proteins. The methods disclosed herein allow the expression of diverse collections of binding proteins from at least one vector construct, which optionally can give rise to collections of diverse binding proteins upon transfer and expression into vertebrate host cells *in situ*.

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