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(54) **AH RECEPTOR CDNA AND GENETICALLY ENGINEERED CELLS FOR DETECTING AGONISTS TO THE AH RECEPTOR**

(75) Inventors: **Christopher A. Bradfield**, Chicago, IL (US); **Kristin M. Dolwick**, Schaumburg, IL (US); **Lucy A. Carver**, Rolla, MO (US)

Correspondence Address:

WOOD, PHILLIPS, KATZ, CLARK & MORTIMER
500 W. MADISON STREET
SUITE 3800
CHICAGO, IL 60661 (US)

(73) Assignee: **Northwestern University**

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(57) **ABSTRACT**

Murine and human Ah receptor cDNAs are provided. These molecules can be used to generate large quantities of Ah-receptor protein. The Ah receptor can be inserted into cell systems such as yeast or mammalian, expressed, and used in assays to detect agonists to the Ah receptor. The Ah receptor inserted into such systems can be either the full Ah receptor, the receptor containing deletions at its amino and carboxyl ends, or a chimeric receptor. The chimeric Ah receptor has its binding and dimerization domains replaced with an analogous region from another binding protein.