



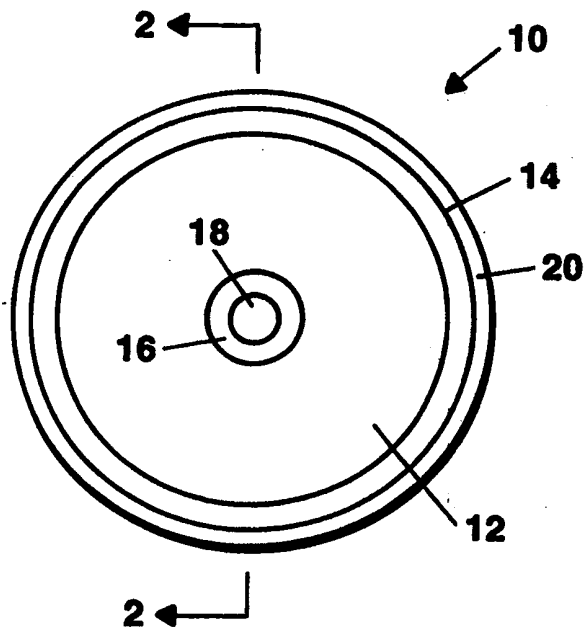
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(54) Title: DUAL ALLOY RAILROAD WHEEL

(57) Abstract

A railroad wheel formed from at least two metallic alloys. In one embodiment, a railroad wheel has a body (12) formed from a first alloy and a rim (28) formed from a second alloy initially in powder form. In an exemplary embodiment, to form the dual alloy wheel the body of the wheel is cast with a circumferential channel formed therein. The perimeter of the body is enveloped with a material, such as sheet metal, to form a cavity defined by the channel and the sheet metal. The second alloy in the form of a powder is placed in the cavity and subjected to heat and pressure to metallurgically weld the first and second alloys and form a composite railroad wheel.



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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 950,500 A (WOODS) 01 MARCH 1910 (01-03-10)	1-5, 10, 11, 19
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