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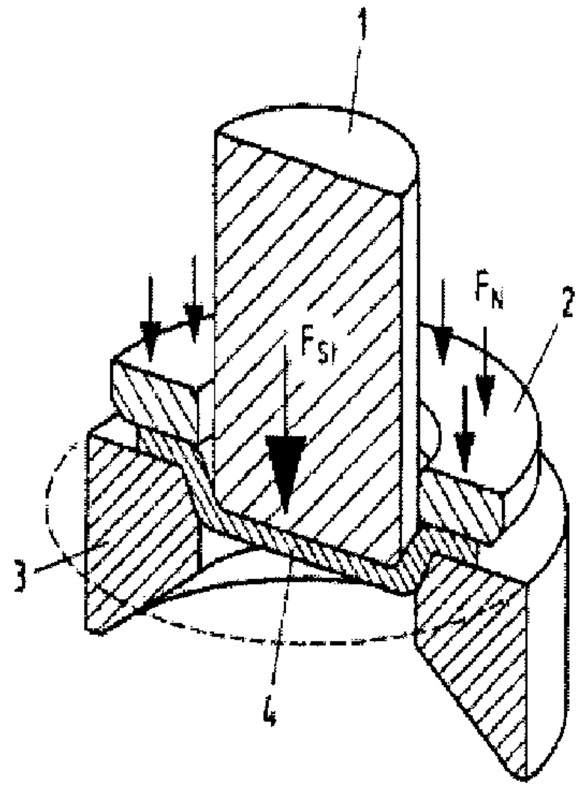
(54) **Titre : MATERIAU COMPOSITE A BASE D'ALUMINIUM ET PROCEDE DE FACONNAGE**
(54) **Title: ALUMINIUM COMPOSITE MATERIAL AND FORMING METHOD**



(57) **Abrégé/Abstract:**
A method is disclosed for forming aluminium composite materials having a core alloy made from an aluminium alloy of type AA5xxx or AA6xxx and at least one outer aluminium alloy layer provided on one or both sides. The aluminium composite material is formed in a forming tool and the outer aluminium alloy layer, provided on one or both sides, has a yield strength Rp0.2 of 25 MPa to 60 MPa in the soft or solution-annealed state. The equation

kf,outside/kf,core<0.5

applies for the flow stresses of the aluminium alloys of the core and the at least one outer layer in the soft or solution-annealed state, and the frictional shear stress TR between the tool and aluminium composite material in the contact surface reaches the shear flow stress k outside of the outer aluminium alloy layer at at least one local position in the forming tool during formation of the aluminium composite material.