

THIS SHEET HAS BEEN
REPLACED

**WEAR RESISTANT, POWDER METALLURGY COLD WORK TOOL STEEL
ARTICLES HAVING HIGH IMPACT TOUGHNESS AND A METHOD FOR
PRODUCING THE SAME**

ABSTRACT OF THE DISCLOSURE

A hot-worked, fully dense, wear resistant, vanadium-rich, powder metallurgy cold work tool steel article having improved impact toughness. This is achieved by controlling the amount, composition and size of the primary carbides and by insuring that substantially all the primary carbides remaining after hardening and tempering are MC-type vanadium-rich carbides. The article is produced by hot isostatic compacting of nitrogen atomized powder particles.

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