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(54) HOT-ROLLING COMPOSITE ROLL PRODUCED BY CENTRIFUGAL CASTING

DURCH ZENTRIFUGALGIESSEN HERGESTELLTE VERBUNDWALZE ZUM WARMWALZEN

ROULEAU COMPOSITE DE LAMINAGE À CHAUD PRODUIT PAR COULÉE CENTRIFUGE

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(56) References cited:

JP-A- H09 170 041	JP-A- 2000 160 277
JP-A- 2002 088 445	JP-A- 2003 073 767
JP-A- 2003 342 669	JP-A- 2004 082 209
JP-A- 2004 162 104	JP-A- 2005 105 296
JP-A- 2009 066 633	JP-B2- 4 311 073

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