

Title (en)
PROCESS FOR MANUFACTURING THIN PIPES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON DÜNNEN ROHREN

Title (fr)
PROCEDE DE FABRICATION DE TUYAUX MINCES

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Application
EP 96930115 A 19960828

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Abstract (en)
[origin: US6136106A] PCT No. PCT/EP96/03780 Sec. 371 Date Feb. 27, 1998 Sec. 102(e) Date Feb. 27, 1998 PCT Filed Aug. 28, 1996 PCT Pub. No. WO97/09459 PCT Pub. Date Mar. 13, 1997The invention relates to a method for manufacturing thin-walled pipes, which are made of a heat-resistant and wear-resistant aluminum-based material. The method comprises the spray-compacting of a thick-walled pipe made of a hypereutectic aluminum-silicon AlSi material, possibly a subsequent overaging annealing, and the hot deformation to a thin-walled pipe. Such a method is in particular united for the production of cylinder liners of internal combustion engines, since the produced liners exhibit the required properties in regard to wear resistance, heat resistance and reduction of pollutant emission.

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