

Title (en)

IMPACT BEAM COMPRISING PRECIPITATION HARDENABLE STAINLESS STEEL

Title (de)

EINSCHLAGSBALKEN MIT AUSSCHIEDUNGSHÄRTBAREM EDELSTAHL

Title (fr)

POUTRE PARE-CHOCS COMPRENANT UN ACIER INOXYDABLE À DURCISSEMENT PAR PRÉCIPITATION

Publication

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Application

**EP 08779313 A 20080529**

Priority

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Abstract (en)

[origin: WO2008153480A1] The present invention relates to an impact beam for use in a vehicle. More specifically, the invention relates to an impact beam comprising precipitation hardenable stainless steel, and a method of producing such a beam. The precipitation hardenable stainless steel has a composition, all in percent by weight, of: C max 0.07 Si max 1.2 Mn max 0.7 Cr 10-14 Mo max 1.5 Ni 7-12 Cu max 2.6 Ti 0.6-2.0 (Nb+Ta) max 0.7 balance Fe and normally occurring impurities. An impact beam comprising precipitation hardenable stainless steel, according to the invention, provides improved impact absorbing properties per unit of weight, and can be formed by conventional hot forming techniques.

IPC 8 full level

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