

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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Citation (search report)

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- [Y] WO 9907910 A1 19990218 - CRS HOLDINGS INC [US]
- [A] US 2005146162 A1 20050707 - GERICK ARNDT [DE], et al
- See also references of WO 2008153480A1

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