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(54) Title: STEEL STRIP FOR FLAPPER VALVES

(57) Abstract: The invention relates to a cold rolled and pre-hardened martensitic steel strip for flapper valve reeds in the compressors, wherein the steel strip is made from steel comprising in weight % (wt. %): C 0.9 - 1.1 Si 0.1 - 0.5 Mn 0.2 - 0.8 Cr 0.05 - 0.3 V 0.05 - 0.20 Nb 0.02 - 0.09 optional elements, Fe and impurities balance, wherein the steel strip has a matrix comprising tempered martensite and up to 8% area fraction of remaining secondary carbides and wherein the steel strip has a thickness of 0.07- 3.5 mm and a width of 7- 450 mm.

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