MOVING FROM CHROMATE TO NON CHROMATE PROCESS
Replacement for chromic acid anodizing (CAA) process

SALIENT FEATURES
➢ Modified Tartaric-sulphuric acid based process (MTSA)
➢ No hazardous chemicals used
➢ Cost is comparable to CAA
➢ Simple effluent treatment process
➢ Lower processing voltage and temperature than CAA
➢ Lower sealing temperature (between 60 – 80°C)
➢ Withstands >1000 h of salt spray test (SST)
➢ Self- healing property equivalent to CAA
➢ Useful for corrosion protection and pretreatment for paint applications
➢ Patent filed in India

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(a) & (b) - CAA before and after SST
(c) & (d) - MTSA before and after SST