

ABSTRACT**Fe-Ni alloy, in particular for transporting and storing liquid hydrogen**

The invention relates to an iron-nickel alloy having the following composition in percent by weight:

$$36.5\% \leq \text{Ni} \leq 38.5\%$$

$$0.50\% \leq \text{Mn} \leq 1.25\%$$

$$0.001\% \leq \text{Cu} \leq 0.85\%$$

$$0.040\% \leq \text{C} \leq 0.150\%$$

$$0.10\% \leq \text{Si} \leq 0.35\%$$

the remainder being iron and unavoidable impurities resulting from the manufacturing.

Figure: 1