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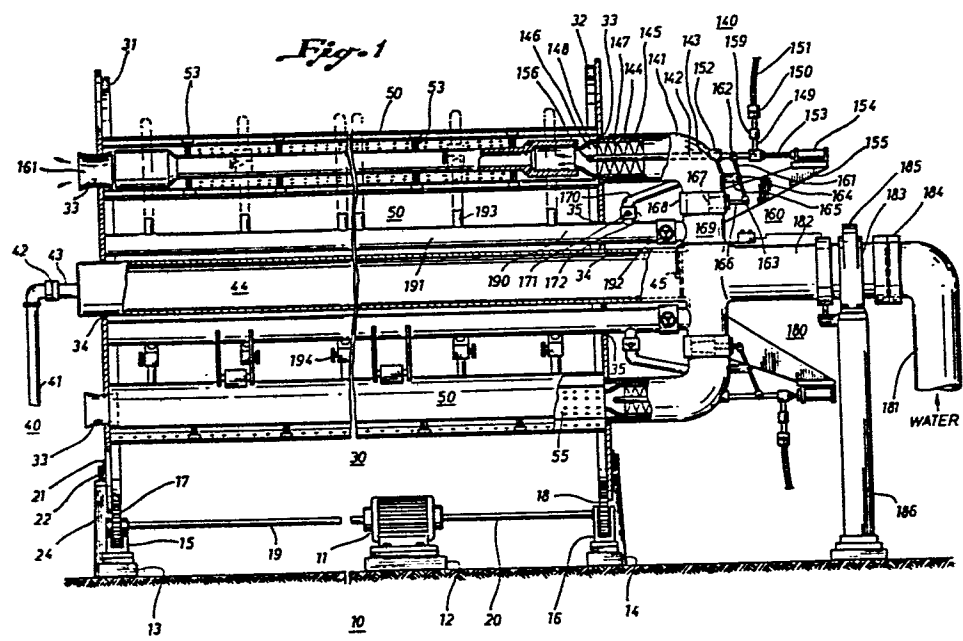
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(54) **Method and apparatus for sequentially quenching steel pipes.**

(57) An apparatus is provided for quenching a piece of steel including a rotatable magazine (30) having at least one barrel (50) for detachably holding the steel piece. A cooling medium source is also provided for supplying a cooling medium to each barrel. In one embodiment each barrel (50) has a primary opening (33) along its length for accepting the steel piece and closing means for selectively closing off the primary opening. Each barrel (50) may also be equipped with a secondary opening (33) for discharging the cooling medium. There is also provided a method of sequentially quenching pieces of steel including the steps of moving a plurality of receptacles (50) along a cyclical path from an inlet station to an outlet station while placing a piece of steel in each receptacle (50) as it passes the inlet station and supplying a cooling medium to each receptacle (50) in an amount sufficient to quench the piece of steel in the receptacle (50) prior to removing the piece of steel at the outlet station.





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EUROPEAN SEARCH REPORT

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EP 83 10 2368

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X,P	DE-A-3 138 274 (KAWASAKI STEEL) * Claims 1, 7; figure 17 *	1,25	C 21 D 9/08 C 21 D 1/62
A,P	--- Patent Abstracts of Japan vol. 6, no. 114, 25 June 1982 & JP-A-57-43931		
A	--- Patent Abstracts of Japan vol. 5, no. 111, 18 July 1981 & JP-A-56-51524		
A	--- GB-A-1 097 029 (FIVES LILLE-CAIL)		
A	--- US-A-3 380 725 (S.V. GUBERT et al.)		
A,D	--- US-A-3 212 766 (F. HEINENBERG et al.)		
A,D	--- US-A-3 623 716 (W. FRITSCH et al.)		
A,D	--- US-A-4 116 716 (K. ITOH et al.) -----		
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 31-08-1983	SUTOR W Examiner
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			