## KAWASAKI STEEL TECHNICAL REPORT

No.22 ( May 1990 ) Advanced Technologies of Iron and Steel, Commemorating the 20th Anniversary of the Technical Research Division

## Energy Dispersive Full-Automatic Texture Analyzer

Tizuko Maeda, Michio Katayama, Masato Shimizu

Synopsis :

Energy dispersive full-automatic texture anal yzer has newly been developed using Mo white X-ray diffraction. Pole figures of (110), (200) and (211) of ÅFe can be analyzed from respective integral pe ak intensities measured at the same time with the Ge detector system set up at 14° from incident

## **Energy Dispersive Full-Automatic Texture Analyzer\***



. ..

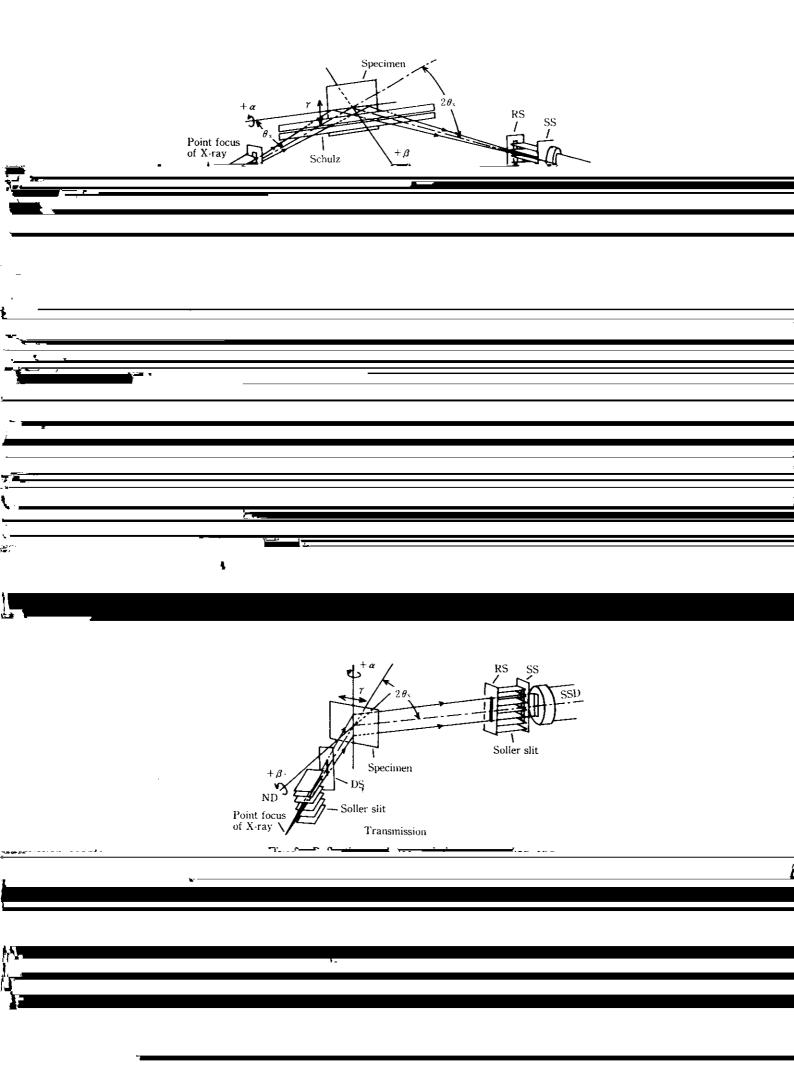
## Synopsis:

Energy dispersive full-automatic texture analyzer has newly been developed using Mo white X-ray diffraction. Pole figures of (110), (200) and (211) of  $\alpha$ -Fe can be analyzed from respective integral peak intensities measured at the same time with the Ge detector system set up at 14° from incident X-ray beams, after escape peak

	, <del></del>		
Г. <u>рад</u> - <u>даат</u>			
-			
	1		
، ب			
[ <b></b>			
,- · <u>·</u>			
17 -			
	• • · · · · ·		

v <del>4</del>			
<u>}                                    </u>			
n_ -			
-			
<b>1</b>			
· . ·			
	·		
Į, m			
la l			
al -			
			1
þ-			
-			
2			
•			
• - 1 -			
• - 1 -			
• - 1 -			

	Incomplete pole figure system – SSD	Goniometer SSD	NAME AND A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTIONO	
4				
F:				
	у •			



L

,	tored for each step of the $\alpha$ rotation. On completion of the incomplete pole figure measurement of the first specimen, measurement of the next specimen proceeds in the same manner. Data analysis and incomplete pole figure drawing are carried out during the measurement of the next specimen. Incomplete	<ul> <li>computer.</li> <li>4 Complete Pole Figure of Cold-Rolled Steel Sheet</li> <li>Figure 5 shows (110), (200) and (211) complete pole</li> <li>Formation of a cold colled steel sheat as measured by the</li> </ul>
)		
1		
<u>ــــــــــــــــــــــــــــــــــــ</u>		
	1	
,		
ţ <u></u>		
<i>م</i> د		
<b>ن</b> د .		
) 		
I		
<u>د</u> ر 		
<u>م</u>		
٠ <u>ــــــــــــــــــــــــــــــــــــ</u>		· • •
	₹₩2.5 - 1 2000 - 10	
<u></u>		
	i 	
ь. 1.		
<b>1</b>		
ļr		

	5 Comparison of Measurement Time	6 Conclusions
	A comparison of the measurement times of the two	(1) A fully automatic energy dispersive texture analyzer
+		mar name davalanad. The device was the relieve
,		
	·	
	<b>—</b>	
	(*******	
_		
	-	
	•	
×- {	<u> </u>	
,		
* • <u>·</u>	· •	
1		
	ł	
· -	א <u>א</u> נגעייל פיניי	
<u>ř</u> .		· · · · · · · · · · · · · · · · · · ·
-		

Хh

Į