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 - : “Blockchain and value systems in the sharing economy: The illustrative case of Backfeed” (2017.5.25)
 - :
 - :
 - : Technological Forecasting and Social Change 125(2017)
-

가 :

(...)

4. (Backfeed)

가 , 가 , 가 가

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가 , 가 .

(CBPP, commons-based peer production)

가 가 가

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가 가 , 가

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가 .

가 가

(Ito, 2016; Tapscott and Tapscott, 2016).

P2P ICT()

CBPP (polycentricity),

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가 .

4.1 () (“[r]evolution”)

가

(Davidson et al., 2016).

(backbone)

가 .

(Wright and De Filippi, 2015:6).

(batches)

‘ (blocks)

—P2P

(Wright and De Filippi, 2015).

(Davidson et al., 2016)

가

(Wright and De Filippi, 2015).

(Davidson et al., 2016; Tapscott and Tapscott, 2016).

(Swan, 2015). P2P
2008),
(nodes)

가

(Nakamoto,

가

가

’(proof of work)

(Davidson et al., 2016).

가

가 (Wright and De Filippi, 2015).

가
(Van Valkenburgh et al., 2014).

가
,
,
(Wright
and De Filippi, 2015).

4.2

가
(Free and Open-Source Software),
(OpenStreetMaps), (CouchSurfing),
(WikiHouse)

가 가

가
(Fuster Morell et al., 2014).

가
(Arvidsson et al., 2016).

가 가

가
(Bauwens, 2011; Johnson, 2011).

가

가

가

,

(reputation)

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가

(Reilly, 2010).

가

(Reason & Bradbury, 2008).

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(Reilly, 2010).

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 (OuiShare) .
 10 , 6 2015
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 가 CBPP
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4.3. (Backfeed)

(Van Valkenburgh et al., 2014).

가 가
 .
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 P2P
 가
 가 (layer)
 '(trustless)(([] trustless :
 , ' ,
 3 ' 가 ,

.)

 (Decentralised Cooperation, DC)

가

. DC

가

가

(, ,) ‘ ’(stigmergy,)

(Davidson et

al., 2016; Marsh and Onof, 2007).

(peers, 가)

(generic)

. DC
PoV)

가

가(Proof-of-Value,

가

. 1)

가

P2P 가

2)

가

가

(Davidson et al., 2016).

4.4.

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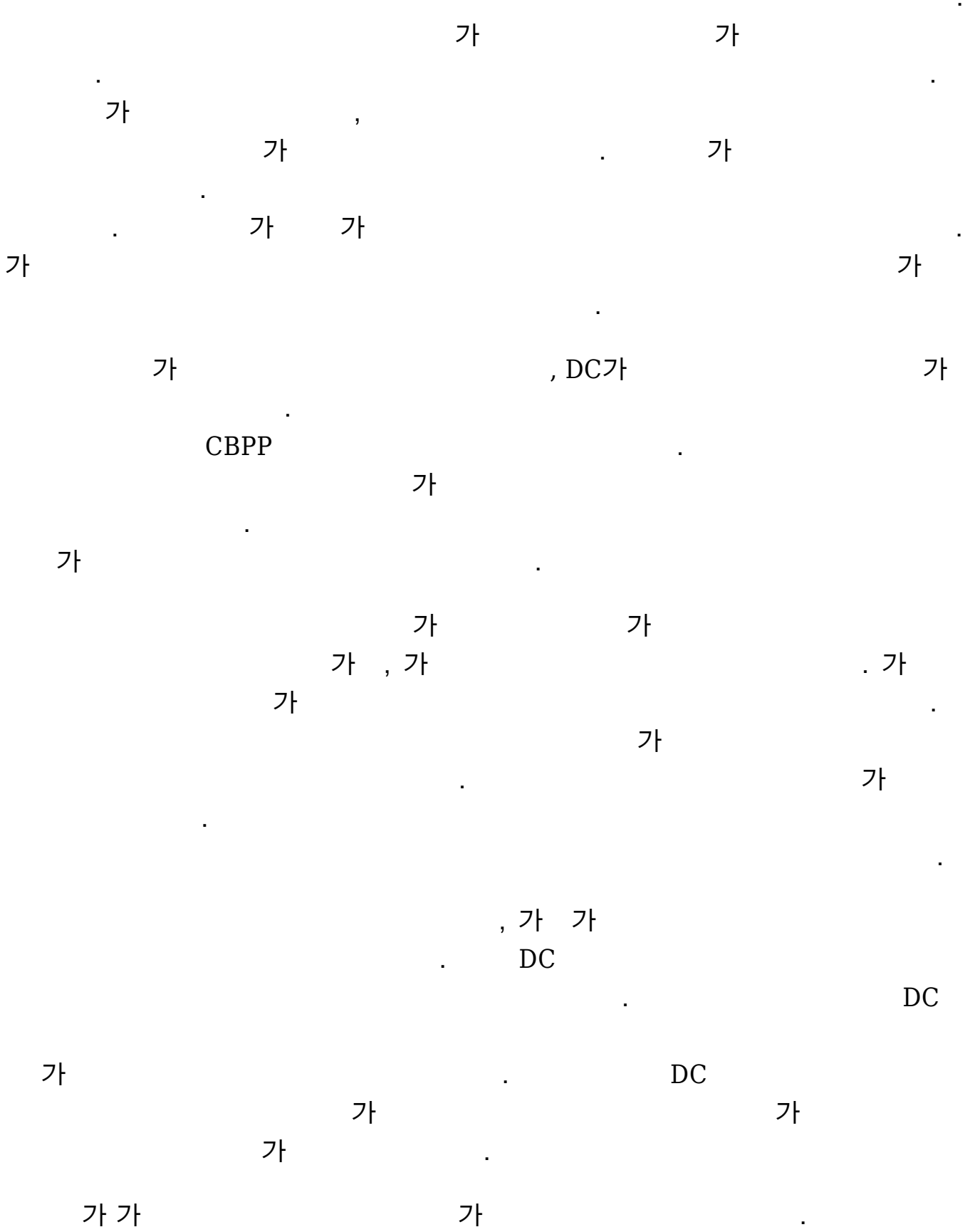
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4.5.

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 DC1 (FabLab)(([] ‘ ’(FabLab)
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 DC1 DC2 DC2 DC2
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 . DC 가 DC1
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4.6



산업경제에서 정보경제로

	산업경제 (가격체계)	정보경제 (사회적 공유)
가치 생산	분업 교환가치 잉여를 위한 생산	사용자/생산자의 소통 사용가치 공유를 위한 생산
가치 기록	복식부기 합리화 & 탈인격화 수량화 & 추상	블록체인 탈중심화된 합의 및 참여 다양성 & 다중심성
가치 실현	시장에 내놓는 상품 화폐 효용 극대화	커먼즈와 공유경제 디지털 토큰 인식된 사회적 혜택

가 가

가 / 가

가

가

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가

(2009) 7

75% (mining pools) 가
(Blockchain.info, 2017).

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(Wikimedia Foundation, 2011).

가 가 (Khanna, 2012). 가

(Forte and Bruckman,

2005).

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5.

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production, CBPP) '(commons-based peer 가

(結晶)

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가 CBPP

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가 CBPP

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