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

가 :

(...)

4. (Backfeed)

가 , 가 , 가 가 .
가 .
가 , 가 .
(CBPP, commons-based peer production)
가 가 가 .
가 , 가 .
가 가 .
가 가 .
(Ito, 2016; Tapscott and Tapscott, 2016).
P2P ICT()
CBPP (polycentricity),
가 .
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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).

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(reputation)

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(Reilly, 2010).

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(Reason & Bradbury, 2008).

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(Reilly, 2010).

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(OuiShare) .
10 , 6 2015
가 2016 5
가 가 가
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가 가 CBPP
가 가 가

4.3. (Backfeed)

(Van Valkenburgh et al., 2014).

가 가

P2P

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가 (layer)

3 가

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 (Decentralised Cooperation, DC)

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. DC

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(, ,) ‘ ’(stigmergy,) .

(Davidson et

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

(peers, 가)

(generic)

. DC
PoV)

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가(Proof-of-Value,

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P2P 가

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(Davidson et al., 2016).

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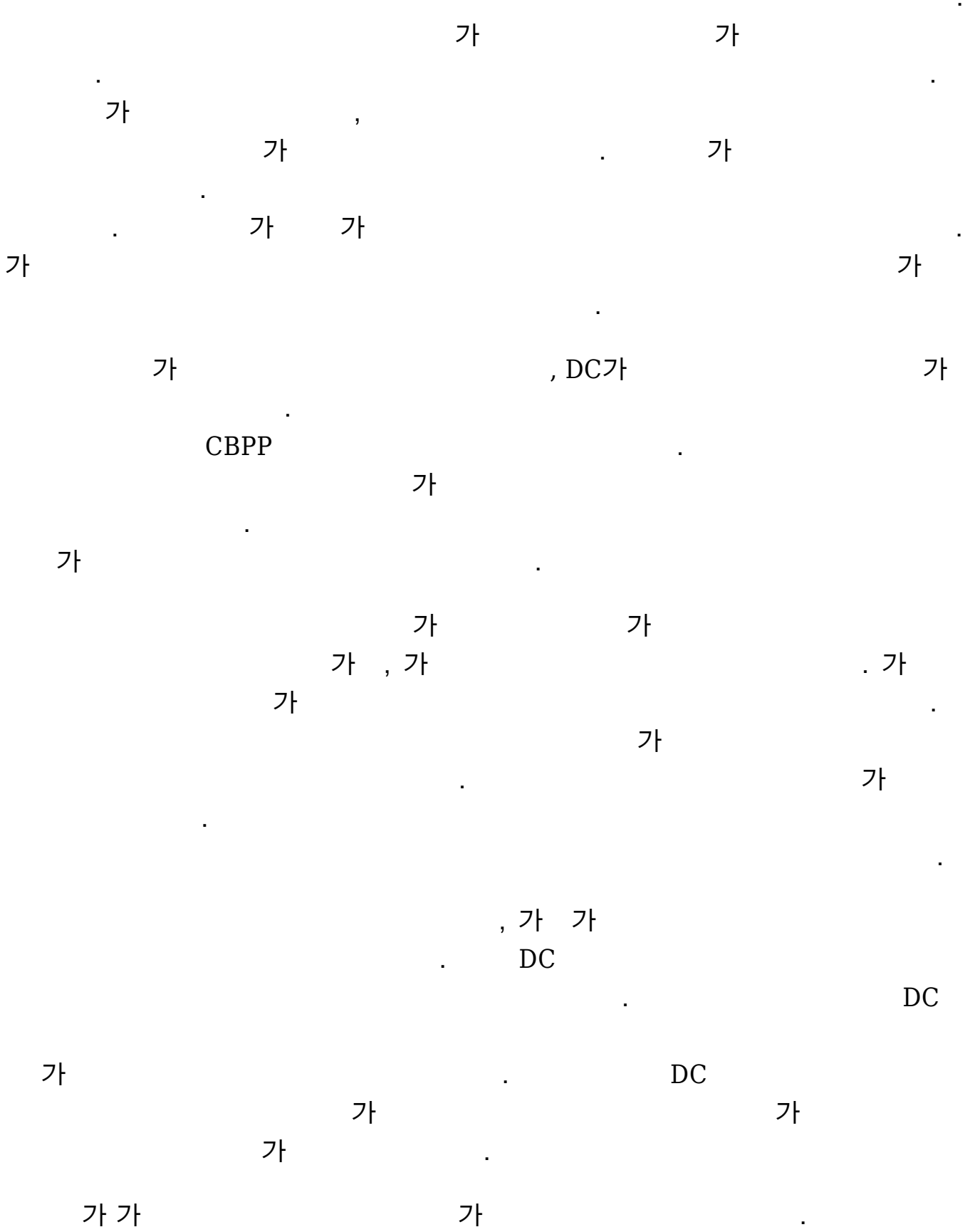
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4.6



(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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production, CBPP) '(commons-based peer 가

(結晶)

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